JVC

ENGLISH

ESPAÑOL

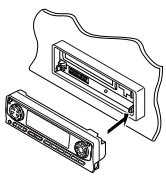
FRANÇAIS

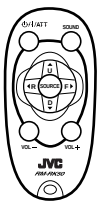
CD RECEIVER KD-LH1000

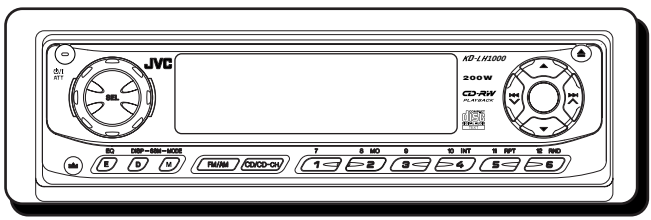
RECEPTOR CON CD KD-LH1000

RECEPTEUR CD KD-LH1000

KD-LH1000







COMPACT disc DIGITAL AUDIO TEXT

CD-RW PLAYBACK

- This unit is equipped with the display demonstration. To cancel it, see page 8.
- Esta unidad está equipada con demostración en la pantalla. Para cancelarla, consulte la página 8.
- Cet appareil est équipé d'une fonction de démonstration des affichages. Pour l'annuler, référez-vous à la page 8.

For installation and connections, refer to the separate manual.
Para la instalación y las conexiones, refiérase al manual separado.
Pour l'installation et les raccordements, se référer au manuel séparé.

For customer Use:

Enter below the Model No. and Serial No. which are located on the top or bottom of the cabinet. Retain this information for future reference.

Model No.

Serial No.

INSTRUCTIONS

MANUAL DE INSTRUCCIONES

MANUEL D'INSTRUCTIONS

LVT0855-001A
[J]

INFORMATION (For U.S.A.)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

IMPORTANT FOR LASER PRODUCTS

Precautions:

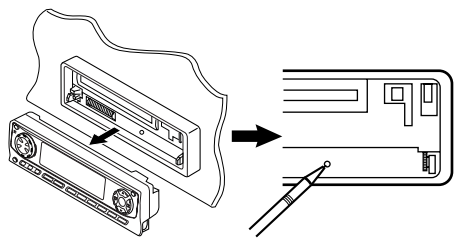
1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CAUTION:** Do not open the top cover. There are no user-serviceable parts inside. Leave all servicing to qualified service personnel.
4. **CAUTION:** This CD player uses invisible laser radiation, however, is equipped with safety switches to prevent radiation emission when unloading CDs. It is dangerous to defeat the safety switches.
5. **CAUTION:** Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

How to reset your unit

After detaching the control panel, press the reset button on the panel holder using a ball-point pen or similar tool.
This will reset the built-in microcomputer.

Note:

Your preset adjustments—such as preset channels or sound adjustments—will also be erased.



BEFORE USE

****For safety....***

- *Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.*
- *Stop the car before performing any complicated operations.*

****Temperature inside the car....***

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

Thank you for purchasing a JVC product. Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

ENGLISH

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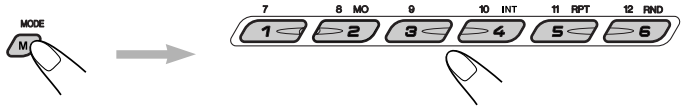
Caution:

If the temperature inside the car is below 0°C (32°F), the movement of source animation and text scroll will be halted on the display to prevent the display from being blurred.
When the temperature increases, and the operating temperature is resumed, these functions will start working again.

How to use the MODE (M) button:

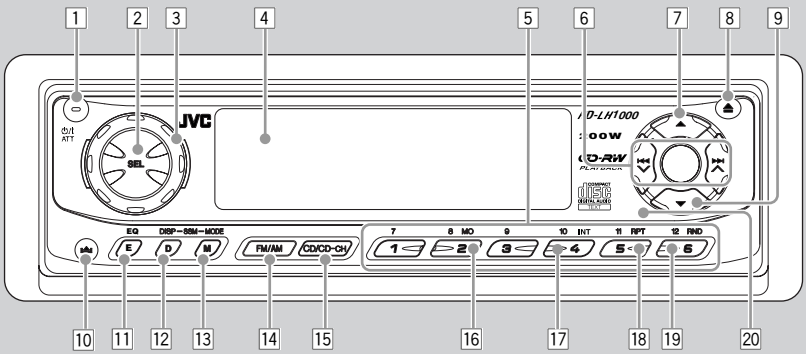
If you press MODE (M), the unit goes into functions mode and the number buttons work as different function buttons.



To use these buttons as number buttons again after pressing MODE (M), wait for 5 seconds without pressing any number button until the functions mode is cleared.
• Pressing MODE (M) again also clears the functions mode.

LOCATION OF THE BUTTONS

Control panel

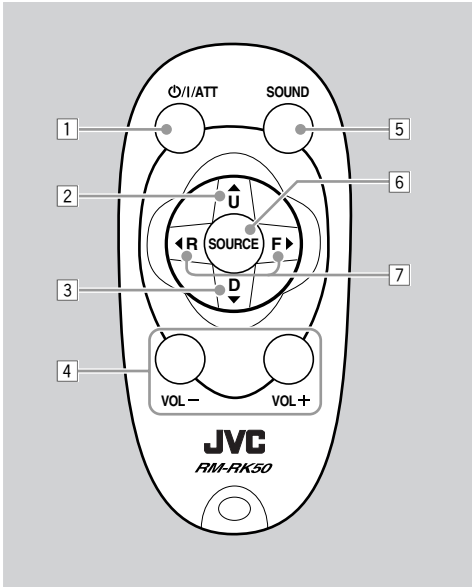


1 ⏻/I ATT (standby/on/attenuator) button
2 SEL (select) button
3 Control dial
4 Display window
5 Number buttons
6 ⏮ ⌄ /⏭ ⌃ buttons
7 ▲ (up) button
8 ⏏ (eject) button
9 ▼ (down) button
10 ⏏ (control panel release) button
11 EQ (E) (equalizer) button
12 DISP (D) (display) button
- *Also functions as SSM buttons when pressed together with MODE (M) button.*

13 MODE (M) button
- *Also functions as SSM buttons when pressed together with DISP (D) (display) button.*

14 FM/AM button
15 CD/CD-CH button
16 MO (monaural) button
17 INT (intro) button
18 RPT (repeat) button
19 RND (random) button
20 Remote sensor

Remote controller



1 • Turns on the unit if pressed when the unit is turned off.
• Turns off the unit if pressed and held for a few seconds.
• Drops the volume level in a moment if pressed briefly.
Press again to resume the volume.

2 • Selects the band while listening to the radio.
Each time you press the button, the band changes.
• Skips to the next disc while listening to the CD changer.
Each time you press the button, the disc number increases, and the selected disc starts playing.

3 • Selects the preset stations while listening to the radio.
Each time you press the button, the preset station number increases, and the selected station is tuned in.
• Skips to the previous disc while listening to the CD changer.
Each time you press the button, the disc number decreases, and the selected disc starts playing.

4 Functions the same as the control dial on the main unit.
NOTE: *These buttons do not function for the preferred setting mode adjustment.*

5 Selects the sound (iEQ) mode.
Each time you press the button, the sound (iEQ) mode changes.

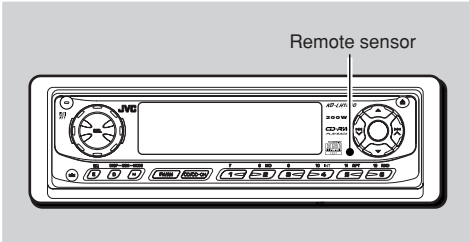
6 Selects the source.
Each time you press the button, the source changes.

7 • Searches stations while listening to the radio.
• Fast-forwards or reverses the track if pressed and held while listening to a disc.
• Skips to the beginning of the next track or goes back to the beginning of the current (or previous) tracks if pressed briefly while listening to a disc.

Preparing the remote controller

Before using the remote controller:

- Aim the remote controller directly at the remote sensor on the main unit. Make sure there is no obstacle in between.



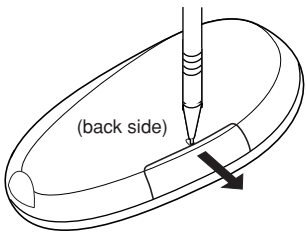
- Do not expose the remote sensor to strong light (direct sunlight or artificial lighting).

Installing the battery

When the controllable range or effectiveness of the remote controller decreases, replace the battery.

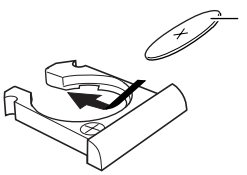
1. Remove the battery holder.

1) Push out the battery holder in the direction indicated by the arrow using a ball-point pen or a similar tool.
2) Remove the battery holder.



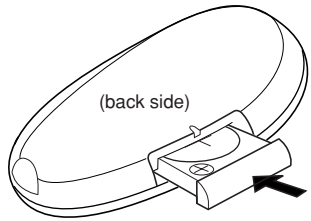
2. Place the battery.

Slide the battery into the holder with the + side facing upwards so that the battery is fixed in the holder.



3. Return the battery holder.

Insert again the battery holder pushing it until you hear a clicking sound.

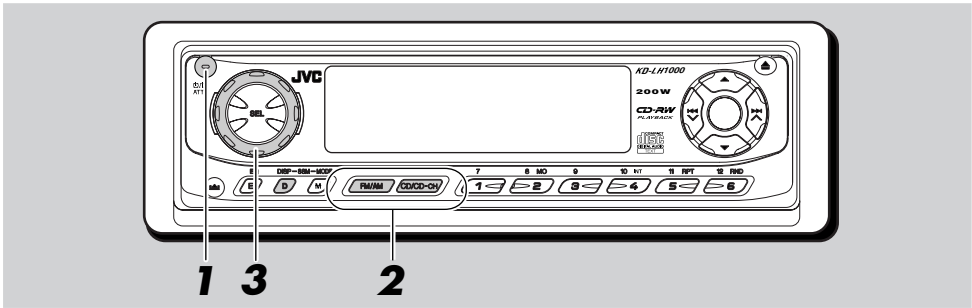


WARNING:

- *Store the battery in a place where children cannot reach.*
  If a child accidentally swallows the battery, consult a doctor immediately.
- *Do not recharge, short, disassemble or heat the battery or dispose of it in a fire.*
  Doing any of these things may cause the battery to give off heat, crack or start a fire.
- *Do not leave the battery with other metallic materials.*
  Doing this may cause the battery to give off heat, crack or start a fire.
- *When throwing away or saving the battery, wrap it in tape and insulate; otherwise, the battery may start to give off heat, crack or start a fire.*
- *Do not poke the battery with tweezers or similar tools.*
  Doing this may cause the battery to give off heat, crack or start a fire.

CAUTION:

DO NOT leave the remote controller in a place (such as dashboards) exposed to direct sunlight for a long time. Otherwise, it may be damaged.



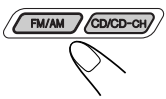
Turning on the power

1 Turn on the power.

Note on One-Touch Operation:

When you select a source in step 2 below, the power automatically comes on. You do not have to press this button to turn on the power.

2 Select the source.

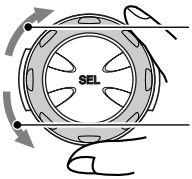


To operate the tuner (FM or AM), see pages 9 – 13.
To play a CD, see pages 14 – 17.
To operate the CD changer, see pages 30 – 33.
To operate the external component (Line In), see page 34.

CAUTION on Volume Setting:

Discs produce very little noise compared with other sources. If the volume level is adjusted for the tuner, for example, the speakers may be damaged by the sudden increase in the output level. Therefore, lower the volume before playing a disc and adjust it as required during playback.

3 Adjust the volume.



To increase the volume.

To decrease the volume.

Volume level appears

4 Adjust the sound as you want. (See pages 18 – 21.)

To drop the volume in a moment

Press ⏻/I ATT briefly while listening to any source. "ATT" starts flashing on the display, and the volume level will drop in a moment.
To resume the previous volume level, press the button briefly again.

- If you turn the control dial, you can also restore the sound.

To turn off the power

Press ⏻/I ATT for more than one second.

- **If you turn off the power while listening to a disc,** CD play will start from where playback has been stopped previously, next time you turn on the power.

Note:

When you use this unit for the first time, set the built-in clock correctly, see page 22.

Changing the display pattern

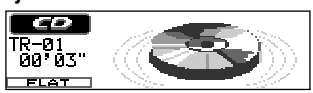
You can change the display pattern.
The number of the selectable display patterns varies according to the playback sources. However, the unit basically provides three main display patterns for each source, and once one of these three patterns is selected, the same pattern is used for all the sources.

Press DISP (D).

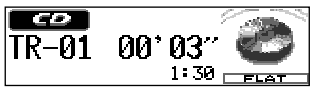
Each time you press the button, the display patterns change as follows.

Ex.: When playing a CD

Large animation display



Small animation displays*



Clock time display

* *Small animation displays are used for showing not only the source's main information (illustrated on this page as examples), but also showing some other information. For details, see each related section.*

In this manual, the illustrations of the display are mainly of the large animation display (initial setting). If you have changed the display patterns or some PSM items, the actual displays you see will be different.

Note:

While playing a source, you can also show the level meter on the display. For details, see "Activating the level meter" on page 21.

Canceling the display demonstration

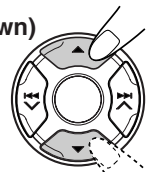
When shipped from the factory, display demonstration (MovieDemo) has been activated, and starts automatically when no operations are done for about 20 seconds.

- It is recommended to cancel the demonstration before you use the unit for the first time.

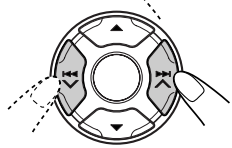
To cancel the display demonstration, follow the procedure below:

1 **Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (PSM: see page 23.)**

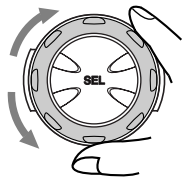
2 **Press ▲ (up) or ▼ (down) repeatedly until "Disp (display)" is selected as the PSM category (it is shown on the left side of the display).**



3 **Select "MovieDemo."**



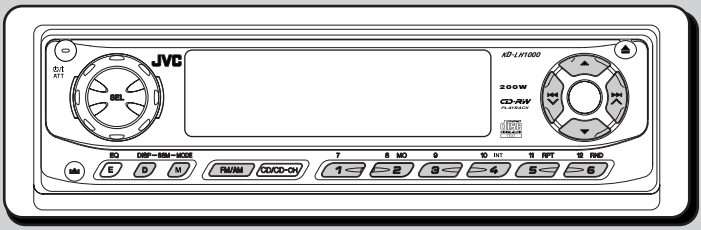
4 **Select "Off."**



5 **Finish the setting.**

To activate the display demonstration, repeat the same procedure and select "All Time" or "Interval" in step 4.

- For more details, see "To set movie demo—MovieDemo" on page 23.



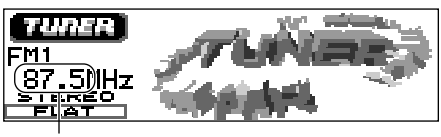
Listening to the radio

You can use either automatic searching or manual searching to tune in to a particular station.

Searching a station automatically: Auto search

1 **Select the band (FM1 – 3, AM).**

FM1 → FM2 → FM3 → AM

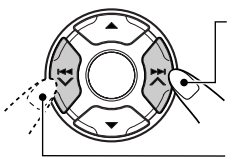


Last received station of the selected band is tuned in.

Note:

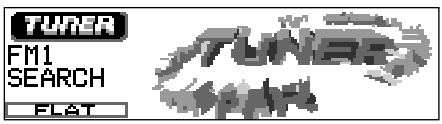
This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.

2 **Start searching a station.**



Press ►►I ^ to search stations of higher frequencies.

Press I◄◄ v to search stations of lower frequencies.



Ex.: When the band is FM

When a station is received, searching stops.

To stop searching before a station is received, press the same button you have pressed for searching.

Searching a station manually: Manual search

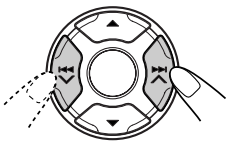
1 **Select the band (FM1 – 3, AM).**

FM1 → FM2 → FM3 → AM

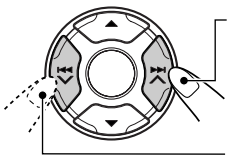
Note:

This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.

2 **Press and hold ►►| ^ or |◄◄ v until "Manual Search" starts flashing on the display.**



3 **Tune in to a station you want while "Manual Search" is flashing.**



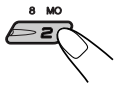
Press ►►| ^ to tune in to stations of higher frequencies.

Press |◄◄ v to tune in to stations of lower frequencies.

- If you release your finger from the button, the manual mode will automatically turn off after 5 seconds.
- If you hold down the button, the frequency keeps changing (in 200 kHz intervals for FM and 10 kHz for AM) until you release the button.

When an FM stereo broadcast is hard to receive:

1 Press MODE (M) to enter the functions mode while listening to an FM stereo broadcast. "Mode" appears on the display.



2 Press MO (monaural), while "Mode" is still on the display, so that the MO indicator is highlighted on the display. Each time you press MO, "Mono On" and "Mono Off" alternately appears.

MONO indicator

MO indicator

"STEREO" is lit when receiving an FM broadcast in stereo.

When the MONO indicator is lit on the display, the sound you hear becomes monaural but the reception will be improved.

If the sound quality decreases and the stereo effect is lost while listening to an FM station

In some areas, adjacent stations may interfere with each other. If this interference occurs, this unit can automatically reduce this interference noise (the initial setting when shipped from the factory). However, in this case, the sound quality will be degraded and the stereo effect will be also lost.

If you do not want to degrade the sound quality and to lose the stereo effect, rather than to eliminate the interference noise, see "To change the FM tuner selectivity—IF Filter" on page 24.

Storing stations in memory

You can use one of the following two methods to store broadcasting stations in memory.

- Automatic preset of FM stations: SSM (Strong-station Sequential Memory)
- Manual preset of both FM and AM stations

FM station automatic preset: SSM

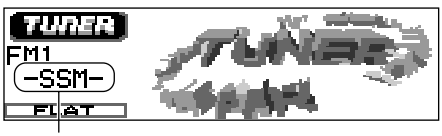
You can preset 6 local FM stations in each FM band (FM1, FM2 and FM3).

1 Select the FM band (FM1 – 3) you want to store FM stations into.

Each time you press the button, the band changes as follows:

FM1 → FM2 → FM3 → AM

2 Press and hold both buttons for more than 2 seconds.



"–SSM–" appears, then disappears when automatic preset is over.

Local FM stations with the strongest signals are searched and stored automatically in the band number you have selected (FM1, FM2 or FM3). These stations are preset in the number buttons — No.1 (lowest frequency) to No.6 (highest frequency). When automatic preset is over, the station stored in number button 1 will be automatically tuned in.

Manual preset

You can preset up to 6 stations in each band (FM1, FM2, FM3 and AM) manually.

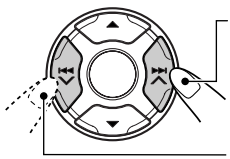
Ex.: Storing an FM station of 88.3 MHz into the preset number 1 of the FM1 band.

1 Select the band (FM1 – 3, AM) you want to store stations into (in this example, FM1).

Each time you press the button, the band changes as follows:

FM1 → FM2 → FM3 → AM

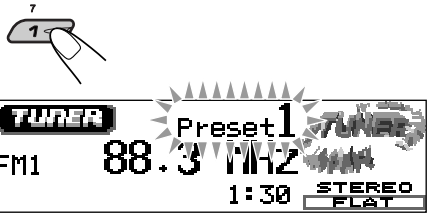
2 Tune in to a station (in this example, of 88.3 MHz).



Press ▶▶| ^ to tune in to stations of higher frequencies.

Press |◀◀ v to tune in to stations of lower frequencies.

3 **Press and hold the number button (in this example, 1) for more than 2 seconds.**



The display pattern automatically changes to the small animation display and the preset number flashes (then the previous display pattern resumes).

4 **Repeat the above procedure to store other stations into other preset numbers.**

Notes:

- *A previously preset station is erased when a new station is stored in the same preset number.*
- *Preset stations are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the stations again.*

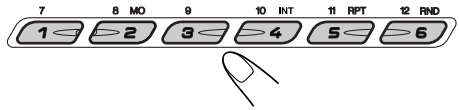
Tuning in to a preset station

You can easily tune in to a preset station. Remember that you must store stations first. If you have not stored them yet, see “Storing stations in memory” on page 11.

Selecting a preset station directly

1 **Select the band (FM1 – 3, AM).**

2 **Select the number (1 – 6) for the preset station you want.**



Note:

You can also use the ▲ (up) or ▼ (down) buttons on the unit to select the next or previous preset stations. Each time you press the ▲ (up) or ▼ (down) buttons, the next or previous preset station is tuned in.

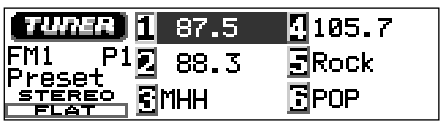
Selecting a preset station using the preset station list

If you forget what stations are stored in what preset numbers, you can check the preset station list, then select your desired station on the list.

1 Select the band (FM1 – 3, AM).

FM1 → FM2 → FM3 → AM

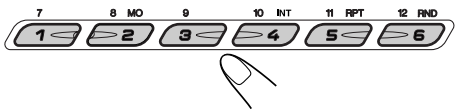
2 Press and hold ▲ (up) or ▼ (down) until the preset station list for the current band (FM1, FM2, FM3, or AM) appears on the display.



Notes:

- *If one of FM band preset station lists (FM1, FM2, or FM3) is shown on the display, you can show the other lists by pressing ▲ or ▼.*
- *If a name has been assigned to a station (see page 28), it will be shown instead of the station frequency.*

3 Select the number (1 – 6) for the preset station you want.



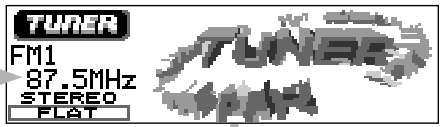
Changing the display information

By pressing DISP (D), you can change the information shown on the display.

Each time you press the button, the display patterns change as follows:

- **When receiving an AM or FM station**

Large animation display



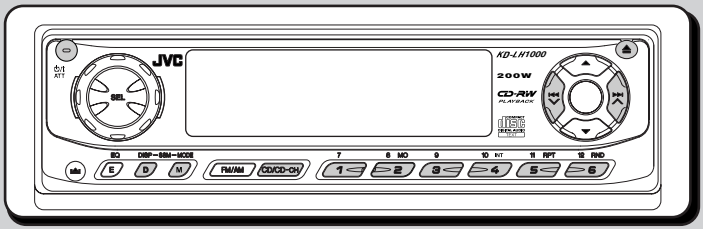
Small animation display

Small animation display

Name assigned to the station

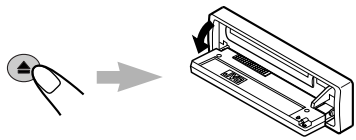
Clock time display

CD OPERATIONS

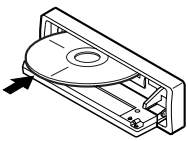


Playing a CD

1 **Open the control panel.**

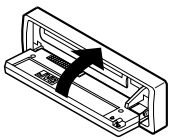


2 **Insert a disc into the loading slot.**

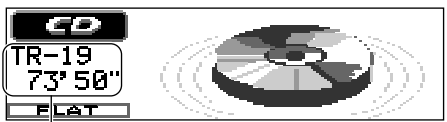


The unit turns on, draws a disc and starts playback automatically.

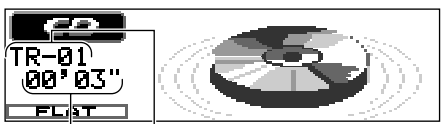
3 **Close the control panel by hand.**



The opening display then source name display appears first....



Total track number/Total playing time



Current track

Elapsed playing time

All tracks will be played repeatedly until you stop playback.

Notes:

- *When a disc is already in the loading slot, selecting "CD" as the source starts CD play.*
- *When a disc is inserted upside down, the disc automatically ejects (if the control panel is open). If the control panel is closed, "Please Eject" appears.*
- *If you change the source, CD play also stops (without ejecting the disc).*
  Next time you select "CD" as the source, CD play starts from where playback has been stopped previously.

To stop play and eject the disc

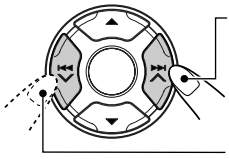
Press ⏏.
CD play stops, the control panel opens, then the disc automatically ejects from the loading slot.
If you change the source, the CD play also stops (without ejecting the disc this time).

Notes:

- *If the ejected disc is not removed for about 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust. (CD play will not start this time.)*
- *You can eject the disc even when the unit is turned off.*

Locating a track or a particular portion on a CD

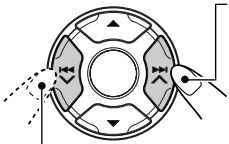
To fast-forward or reverse the track



Press and hold ►►| ^, while playing a disc, to fast-forward the track.

Press and hold |◄◄ v, while playing a disc, to reverse the track.

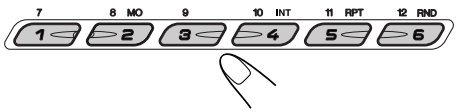
To go to the next or previous tracks



Press ►►| ^ briefly, while playing a disc, to go ahead to the beginning of the next track.
Each time you press the button consecutively, the beginning of the next tracks is located and played back.

Press |◄◄ v briefly, while playing a disc, to go back to the beginning of the current track.
Each time you press the button consecutively, the beginning of the previous tracks is located and played back.

To go to a particular track directly



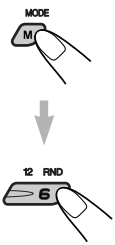
Press the number button corresponding to the track number to start its playback.

- To select a track number from 1 – 6:
  Press 1 (7) – 6 (12) briefly.
- To select a track number from 7 – 12:
  Press and hold 1 (7) – 6 (12) for more than 1 second.

Selecting CD playback modes

To play back tracks at random (Random Play)

You can play back all tracks on the disc at random.



1 Press MODE (M) to enter the functions mode while playing a disc.
"Mode" appears on the display.

2 Press RND (random), while "Mode" is still on the display, so that the RND indicator is highlighted on the display.
Each time you press RND, "Random On" or "Random Off" alternately appears.

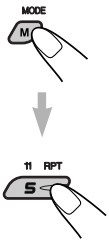
RANDOM indicator

RND indicator is highlighted when "Random On" is selected.

When Random Play is turned on, the RANDOM indicator lights up on the display and a track randomly selected starts playing.

To play back tracks repeatedly (Repeat Play)

You can play back the current track repeatedly.



1 Press MODE (M) to enter the functions mode while playing a disc.
"Mode" appears on the display.

2 Press RPT (repeat), while "Mode" is still on the display, so that the RPT indicator is highlighted on the display.
Each time you press RPT, "Repeat On" or "Repeat Off" alternately appears.

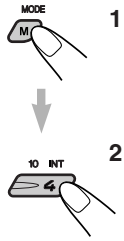
REPEAT indicator

RPT indicator is highlighted when "Repeat On" is selected.

When Repeat Play is turned on, the REPEAT indicator lights up on the display.

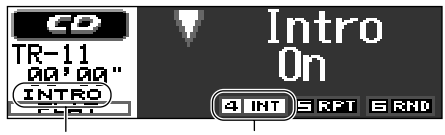
To play back only intros (Intro Scan)

You can play back the first 15 seconds of each track sequentially.



1 Press MODE (M) to enter the functions mode while playing a disc.
"Mode" appears on the display.

2 Press INT (intro), while "Mode" is still on the display, so that the INT indicator is highlighted on the display.
Each time you press INT, "Intro On" or "Intro Off" alternately appears.



INTRO indicator

INT indicator is highlighted when "Intro On" is selected.

When Intro Scan is turned on, the INTRO indicator lights up on the display.

Prohibiting CD ejection

You can prohibit CD ejection and can lock a disc in the loading slot.

While pressing CD/CD-CH, press and hold ⏻/I ATT for more than 2 seconds.

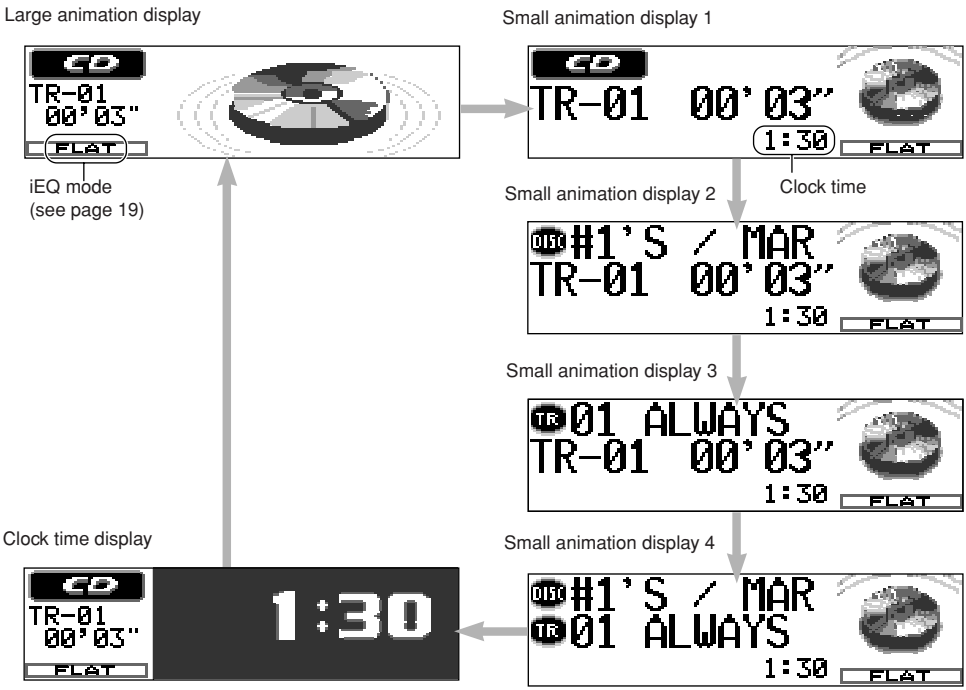
"No Eject" flashes on the display for about 5 seconds, and the disc is locked and cannot be ejected.

To cancel the prohibition and unlock the disc, press ⏻/I ATT again for more than 2 seconds, while pressing CD/CD-CH.
"Eject OK" flashes on the display for about 5 seconds, and the disc is unlocked.

Changing the display information

By pressing DISP (D), you can change the information shown on the display.

Each time you press the button, the display patterns change as follows:



Notes:

- *When the disc title/performer is shown, the DISC indicator lights up. When the track title is shown, the TR indicator lights up.*
- *If the information cannot be shown at a time, it will scroll on the display.*
  Some characters or symbols will not be shown (will be blanked or substituted) on the display.
- *If no name or assigned to the audio CD, "NO NAME" will appear.*
  To assign a name to a conventional CD, see page 28.
- *If no disc title/performer or no track title is recorded for the CD Text, "NO NAME" will appear.*

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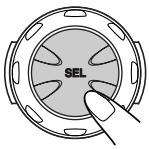
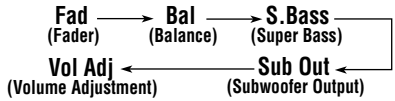
Adjusting the sound

You can adjust the sound characteristics to your preference.

1 Select the item you want to adjust.



Each time you press the button, the adjustable items change as follows:



Indication	To do:	Range
Fad*1	Adjust the front and rear speaker balance.	R06 (Rear only) | F06 (Front only)
Bal	Adjust the left and right speaker balance.	L06 (Left only) | R06 (Right only)
S. Bass*2	Adjust the bass.	00 (min.) | 08 (max.)
Sub Out*3	Adjust the subwoofer output level and cutoff frequency level.	00 (min.) | 12 (max.) Low/Mid/High
Vol Adj*4	Adjust and store the input level of each source.	–12 (min.) | +12(max.)

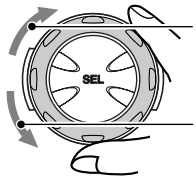
*1 *If you are using a two-speaker system, set the fader level to "00."*

*2 *The richness and fullness of the bass sound is clearly maintained regardless of how low you set the volume.*

*3 *This takes effect only when a subwoofer is connected.*

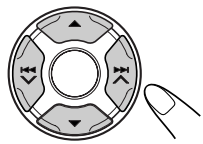
*4 *By adjusting the input level to match it to the FM sound level, you will not need to adjust the volume level each time you change the source. This adjustment is memorized for each source except FM.*

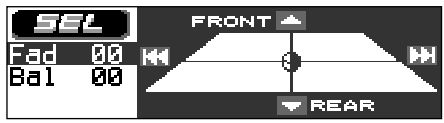
2 Adjust the level.



While adjusting fader and balance —Fad, Bal:

You can make these two adjustments at the same time, by referring to the indication on the display.

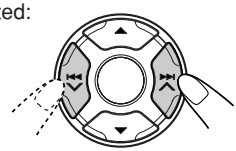




- Press ▲ or ▼ to adjust the fader.
- Press ►►I ^ or I◄◄ v to adjust the balance.

While adjusting subwoofer output —Sub Out:

You can also set an appropriate cutoff frequency level according to the subwoofer connected:



- Press ►►I ^ or I◄◄ v to select "Low," "Mid," or "High."

  Low: Frequencies higher than 50 Hz are cut off to the subwoofer.

  Mid: Frequencies higher than 80 Hz are cut off to the subwoofer.

  High: Frequencies higher than 115 Hz are cut off to the subwoofer.

Selecting preset sound modes (iEQ: i-equalizer)

You can select a preset sound mode suitable to the music genre.

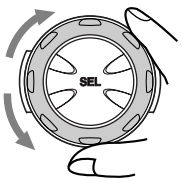
- There is a time limit in doing the following procedure. If the setting is canceled before you finish, start from step 1 again.

1 Press EQ (equalizer).

The last selected sound mode is called up.

Ex.: If you have selected “Flat” previously

2 Select the sound mode you want.



As you turn the control dial, the sound modes change as follows:

Flat ⇄ Hard Rock ⇄ R&B*⇄ Pop ⇄ Jazz ⇄ Dance Music ⇄ Country ⇄ Reggae ⇄ Classic ⇄ User 1 ⇄ User 2 ⇄ User 3 ⇄ (back to the beginning)

* *Rhythm and Blues*

To cancel the sound mode, select “Flat” in step 2.

Note:

For details about the preset settings of each sound mode, see page 21.

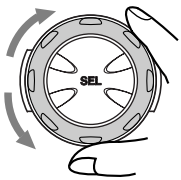
Storing your own sound adjustments

You can adjust the sound modes to your preference and store your own adjustments in memory (User 1, User 2 and User 3).

- There is a time limit in doing the following procedure. If the setting is canceled before you finish, start from step 1 again.

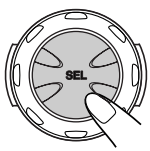
1 Press EQ (equalizer).

2 Select the sound mode you want to adjust.



Ex.: If you have selected “R & B”

3 Enter the sound mode adjustment mode.



The following sound mode adjustment screen appears on the display.

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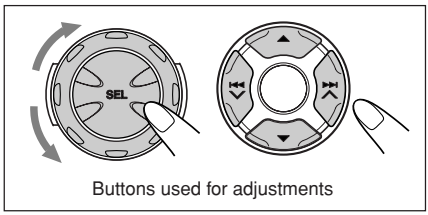
4 **Make adjustments as you like, referring to the table "Sound adjustment items."**



Buttons used for adjustments

1) **Press ►►| ∧ or |◄◄ ∨ to select the frequency band—Low, Mid, or High.**

2) **Turn the control dial to select the center frequency for the selected band.**

3) **Press ▲ or ▼ to adjust the level of the selected band.**

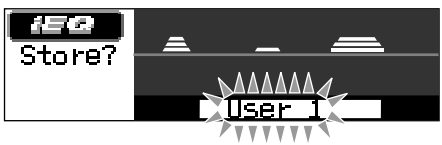
4) **Press SEL (select) to enter the Q level (band width) adjustment mode for the selected band.**

5) **Turn the control dial to adjust the Q level for the selected band.**

6) **Repeat step 1) to 5) to adjust the other frequency bands.**

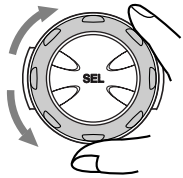
5 **Exit from the sound adjustment mode.**

The confirmation message appears—whether you want to store the adjustment.



If you want to cancel the adjustments, press any button other than SEL (select).

6 **Select one of the user sound modes (User 1, User 2, User 3).**



7 **Store the adjustment in the selected user sound mode.**

Ex.: When you select "User 1"

Sound adjustment items

	Selectable values		
Band	**Low**	**Mid**	**High**
Center frequency	50 Hz 80 Hz 120 Hz	700 Hz 1 kHz 2 kHz	8 kHz 12 kHz
Q (band width)	Q1 (min.) | Q4 (max.)	Q1 (min.) | Q2 (max.)	——— (Fixed)
Level	–06 (min.) | +06 (max.)	–06 (min.) | +06(max.)	–06 (min.) | +06 (max.)

Activating the level meter

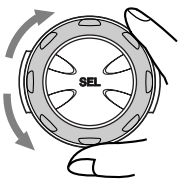
You can show the level meters on the display while playing any source.
This unit is equipped with three level meter patterns.

- There is a time limit in doing the following procedure. If the setting is canceled before you finish, start from step 1 again.

1 Press EQ (equalizer) *twice*.

The last selected level meter appears on the display.

2 Select the level meter pattern you want.

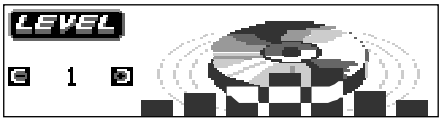


As you turn the control dial, the level meters change as follows:

Off ↔ Level 1 ↔ Level 2 ↔ Level 3

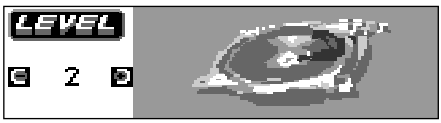
Level Meter 1:

The audio level meter fluctuates vertically.



Level Meter 2:

The speaker on the display vibrates as input audio level changes.



Level Meter 3:

The left and right audio level meters appear.

- If the small animation display is selected, only one audio level meter can be shown.

The list below shows the preset value settings for each sound mode.

Sound modes	Preset values							
	Low			Mid			High	
	C.Freq.	Q (Width)	Level	C.Freq.	Q (Width)	Level	C.Freq.	Level
Flat	50 Hz	Q1	00	700 Hz	Q1	00	8 kHz	00
Hard Rock	80 Hz	Q2	+03	700 Hz	Q1	00	8 kHz	+02
R & B	80 Hz	Q3	+03	2 kHz	Q2	+01	12 kHz	+03
Pop	120 Hz	Q1	+02	2 kHz	Q2	+01	12 kHz	+02
Jazz	80 Hz	Q1	+03	1 kHz	Q1	+01	8 kHz	+03
Dance Music	50 Hz	Q2	+04	700 Hz	Q1	–02	8 kHz	+01
Country	50 Hz	Q4	+02	700 Hz	Q1	00	12 kHz	+02
Reggae	80 Hz	Q1	+03	2 kHz	Q2	+02	12 kHz	+02
Classic	120 Hz	Q1	+03	1 kHz	Q1	00	8 kHz	+02
User 1	50 Hz	Q1	00	700 Hz	Q1	00	8 kHz	00
User 2	50 Hz	Q1	00	700 Hz	Q1	00	8 kHz	00
User 3	50 Hz	Q1	00	700 Hz	Q1	00	8 kHz	00

ENGLISH

Changing the general settings (PSM)

You can change the items listed on the next page by using the PSM (Preferred Setting Mode) control.

- The PSM items are grouped into five categories—"Disp (display)," "Clock," "Tuner," "Color," and "Audio."

Basic Procedure

1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (See page 23.)

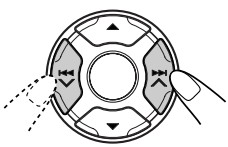
The currently selected category is shown on the left side of the display.

PSM Category

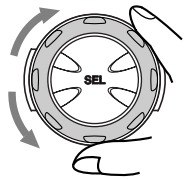
Ex.: When "Clock Hr" has been selected previously

2 Press ▲ (up) or ▼ (down) repeatedly until your desired PSM category appears on the left side of the display.

3 Select the PSM item you want to adjust.



4 Adjust the PSM item selected.



5 Repeat steps 2 to 4 to adjust the other PSM items if necessary.

6 Finish the setting.

To set clock—Clock Hr, Clock Min

You can set the clock using the PSM control.

1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
2 Press ▲ or ▼ repeatedly until "Clock" is selected as the PSM category (it is shown on the left side of the display).
3 Press ►►I ^ or I◄◄ v to select "Clock Hr (hour)."
4 Turn the control dial to adjust the hour.
5 Press ►►I ^ or I◄◄ v to select "Clock Min (minute)."
6 Turn the control dial to adjust the minute.
7 Press SEL (select) to finish the setting.

Preferred Setting Mode (PSM) items

The PSM items are grouped into five categories—"Disp (display)," "Clock," "Tuner," "Color," and "Audio." To select a desired item, first select the category where the desired item is listed.

	Indications		Selectable values		Factory-preset settings	See page
Disp (display)	**MovieDemo**	Movie demo	All Time ↔ Interval; All Time ↔ Off; Interval ↔ Off		All Time	8, 23
	SRC Anime	Changing source animation	On	Off	On	23
	Scroll	Scroll mode	Once ↔ Auto; Once ↔ Off; Auto ↔ Off		Once	24
	Dimmer	Dimmer mode	Auto ↔ Off; Auto ↔ On; Off ↔ On		Auto	24
	Contrast	Contrast	Contrast 1 — Contrast 10		5	24
	LCD Type	Display type	Positive ↔ Negative; Positive ↔ Auto; Negative ↔ Auto		Positive	24
	Font Type	Font type	1	2	1	24
Clock	**Clock Hr**	Hour adjustment	1 —12		1 (1:00)	22
	Clock Min	Minute adjustment	00 —59		00 (1:00)	22
Tuner	**IF Filter**	Intermediate frequency filter	Auto	Wide	Auto	24
Color	**Mode**	Color mode	Source	User	Source	25
	Source*1	Source color selection	See page 25 for details		All Source	25
	All Source*2 (Selected source)		See page 25 for details		Every	25
	User*3	User color selection	Day	Night	Day	26
	Red*3	Red	0 — +11		Day: +7 / Night:+5	26
	Green*3	Green	0 — +11		Day: +7 / Night:+5	26
	Blue*3	Blue	0 — +11		Day: +7 / Night:+5	26
Audio	**Beep**	Key-touch tone	On	Off	On	24
	Ext Input*4	External component	Changer	Line In	Changer	24

*1 *Displayed only when "Mode" is set to "Source."*
*2 *What appears actually here—source name—varies according to the "Source" setting.*
*3 *Displayed only when "Mode" is set to "User."*
*4 *Displayed only when one of the following sources is selected – FM, AM and CD.*

To set movie demo—MovieDemo

When shipped from the factory, the movie demo has been activated ("All Time" is selected).

- All Time: If no operatoin is done for about 20 seconds, movie demo automatically starts.
- Interval: If no operatoin is done for about 20 seconds, movie demo and plaback source indication alternately appears on the display.
- Off: Cancels the movie demo.

To set changing source animation on the display—SRC Anime

When changing the source, the display shows the changing source animation. If you do not want this animation you can turn it off.

- On: Changing source animation appears just after you change the source.
- Off: Cancels the changing source animation. (Simple source animation is used.)

To select the scroll mode—Scroll

You can scroll the disc information if it cannot be displayed at a time.

- Once: Scrolls only once.
- Auto: Repeats the scroll (in 5-second intervals).
- Off: Cancels Auto Scroll.

To select the dimmer mode—Dimmer

When you turn on the car head lights, the display automatically dims (Auto Dimmer).
When shipped from the factory, Auto Dimmer mode is activated.

- Auto: Activates Auto Dimmer.
- Off: Cancels Auto Dimmer.
- On: Always dims the display.

Note:

Auto Dimmer equipped with this unit may not work correctly on some vehicles, particularly on those having a control dial for dimming.
In this case, set the dimmer mode to "On" or "Off."

To adjust the display contrast level —Contrast

You can adjust the display contrast level among 1 (dark) to 10 (bright).

To select the display illumination pattern —LCD Type

You can select the display illumination patterns according to your preference.

- Auto: Positive pattern will be selected during the day time (while the headlights are turned off); on the other hand, negative pattern will be used during the night time (while the headlights are turned on.)
- Positive: Positive (normal) pattern of the display.
- Negative: Negative pattern of the display.

To select the font on the display—Font Type

You can change the font types used on the display. Select either "1" or "2" according to your preference.

To change the FM tuner selectivity —IF Filter

In some areas, adjacent stations may interfere with each other. If this interference occurs, noise may be heard.

- Auto: When this type of interference occurs, this unit automatically increases the tuner selectivity so that interference noise will be reduced. (But the stereo effect will also be lost.)
- Wide: Subject to the interference from adjacent stations, but sound quality will not be degraded and the stereo effect will not be lost.

To turn on/off the key-touch tone—Beep

You can deactivate the key-touch tone if you do not want it to beep each time you press a button.

- On: Activates the key-touch tone.
- Off: Deactivates the key-touch tone.

To select the external component to use —Ext Input

You can connect the external component to the CD changer jack on the rear using the Line Input Adaptor KS-U57 (not supplied).
To use the external component as the playback source through this unit, you need to select which component—CD changer or external component—to use.

- Changer: To use the CD changer.
- Line In: To use the external component other than CD changer.

Note:

For connecting the Line Input Adaptor KS-U57 and the external component, refer to the Installation/Connection Manual (separate volume).

Changing the display color

You can set the display color using the PSM control. By selecting “Source” for “Mode,” you can select your favorite color for each source (or for all sources).

Note:

When selecting “User,” you can create your own color as you like. See pages 26 and 27.

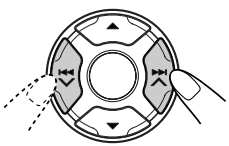
Setting the desired color for each source—Source

Once you have set the color for each source (or for all sources), the display illuminates in the selected color when the source is selected.

1 **Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (See page 23.)**

2 **Press ▲ (up) or ▼ (down) repeatedly until “Color” appears as the PSM category on the left side of the display.**

3 **Select “Mode.”**

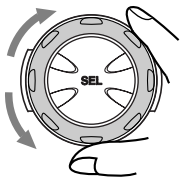


Currently selected setting for “Mode”

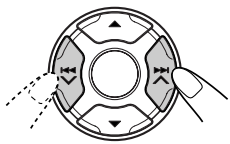
4 **Select “Source” for “Mode.”**

As you turn the control dial, the “Mode” settings change as follows:

Source ↔ User



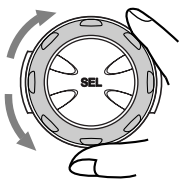
5 **Enter the source selecting mode.**



Currently selected source for “Source”

6 **Select the source that you want to set the display color for.**

As you turn the control dial, the source names change as follows:



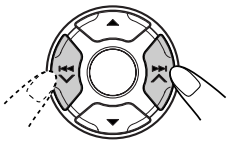
All Source[*1] **↔ CD**

AM ↔ FM ↔ Changer[*2] **(Line In)**

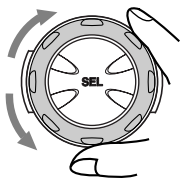
[*1] *When you select “All Source,” you can use the same color for all sources.*

[*2] *Selected only when these components are connected.*

7 **Enter the color selecting mode.**



8 **Select the display color.**
As you turn the control dial, the colors change as follows:



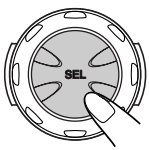
Every[*1] ⇄ **Aqua** ⇄ **Sky** ⇄ **Sea** ⇄
Leaves ⇄ **Grass** ⇄ **Rose** ⇄ **Cherry** ⇄
Orange ⇄ **Honey** ⇄ **Violet** ⇄ **Grape** ⇄
Snow ⇄ **User**[*2] ⇄ **(back to the beginning)**

[*1] *When you select "Every," the color changes every two seconds (changing to all colors listed above except "User.")*

[*2] *When you select "User," one of the original colors—"Day" or "Night" can be selected depending on the "User" setting.*

9 **Repeat steps 5 to 8 to select the color for each source (except when selecting "All Source" in step 6).**

10 **Finish the setting.**



Selecting or creating your own color —User

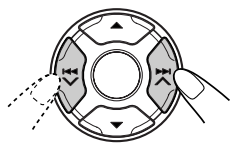
You can create and store your own colors—"Day" and "Night," and select one of them as the display color for any desired source.

- Day: Can be used as your user color during the day time (while the headlights are turned off).
- Night: Can be used as your user color during the night time (while the headlights are turned on.)

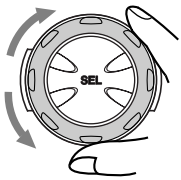
1 **Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.**
(See page 23.)

2 **Press ▲ (up) or ▼ (down) repeatedly until "Color" appears as the PSM category on the left side of the display.**

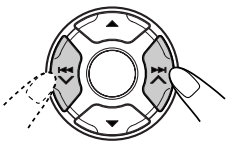
3 **Select "Mode."**



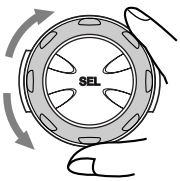
4 **Select “User” for “Mode.”**



5 **Select “User.”**



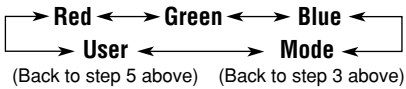
6 **Select either “Day” or “Night” as your user color.**
As you turn the control dial, the user color alternates between “Day” and “Night.”



- If you want to select the user color, but do not need to adjust the color, go to step 9 to finish the setting.
- If you want to adjust the user color selected, go to the next step.

7 **Adjust the selected user color.**

1) **Press ►►| ∧ or |◄◄ ∨ to select one of three primary colors—“Red” “Green,” and “Blue.”**



(Back to step 5 above) (Back to step 3 above)

2) **Turn the control dial to adjust the selected primary color.**
You can adjust within the range of 0 to +11.

3) **Repeat steps 1) and 2) to adjust the other primary colors.**

8 **Repeat steps 6 and 7 to adjust the other user color.**

9 **Finish the setting.**

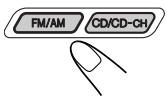
Assigning names to the sources

You can assign names to discs (both in this unit and in the CD changer), station frequencies and the external component.
After assigning a name, it will appear on the display when you select the source.

Sources	Maximum number of characters
CDs*	up to 32 characters (up to 40 discs)
Station frequencies	up to 10 characters
External component	up to 8 characters

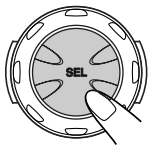
* *You cannot assign a name to a CD Text.*

1 **Select a source you want to assign a name to.**



When you select a source, the power automatically comes on.

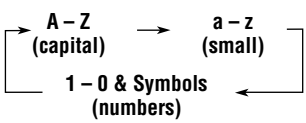
2 **Press and hold SEL (select) for more than 2 seconds while pressing DISP (D).**



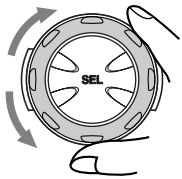
Ex.: When you select CD as the source

3 **Select the character set you want while the first character position is flashing.**

Each time you press the button, the character set changes as follows:

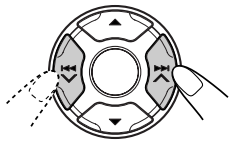


4 **Select a character.**



• About the available characters, see page 37.

5 **Move the cursor to the next (or previous) character position.**



6 **Repeat steps 3 to 5 until you finish entering the name.**

7 **Finish the procedure while the last selected character is flashing.**

To erase the entered characters

Insert spaces using the same procedure described above.

Notes:

- *When you try to assign a name to the 41st disc, "Name Full" appears on the display. (In this case, delete unwanted names before assignment.)*
- *When the CD changer is connected, you can assign names to discs in the CD changer. These names can also be shown on the display if you insert the discs in this unit.*

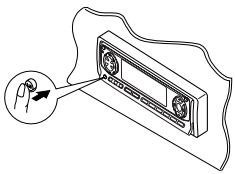
Detaching the control panel

You can detach the control panel when leaving the car.
When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

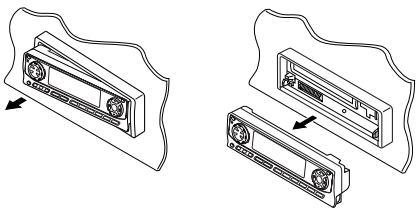
Detaching the control panel

Before detaching the control panel, be sure to turn off the power.

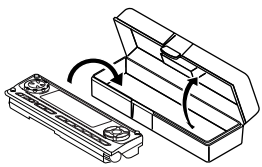
1 Unlock the control panel.



2 Pull the control panel out of the unit.

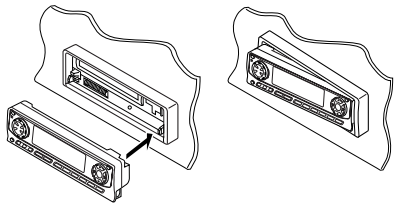


3 Put the detached control panel into the provided case.

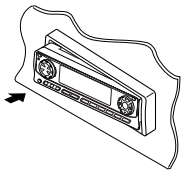


Attaching the control panel

1 Insert the right side of the control panel into the groove on the panel holder.

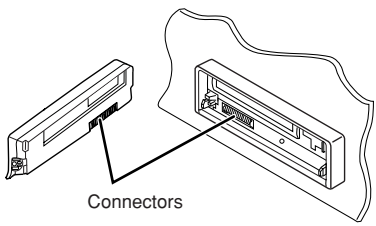


2 Press the left side of the control panel to fix it to the panel holder.

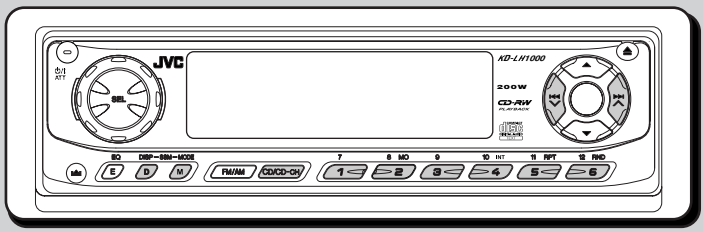


Note on cleaning the connectors:

If you frequently detach the control panel, the connectors will deteriorate.
To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



CD CHANGER OPERATIONS



We recommend that you use one of the CH-X series with your unit.
If you have another CD automatic changer, consult your JVC car audio dealer for connections.

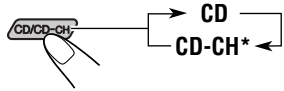
- *For example, if your CD automatic changer is one of the KD-MK series, you need a cord (KS-U15K) for connecting it to this unit.*

Before operating your CD automatic changer:

- Refer also to the Instructions supplied with your CD changer.
- If no discs are in the magazine of the CD changer or the discs are inserted upside down, "No Disc" will flash on the display. If this happens, remove the magazine and set the discs correctly.
- If "Reset 1" – "Reset 8" flashes on the display, something is wrong with the connection between this unit and the CD changer. If this happens, check the connection and make sure the cords are connected firmly. Then, press the reset button of the CD changer.

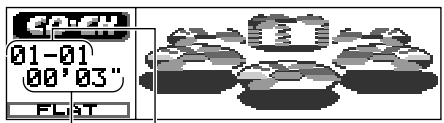
Playing CDs

Select the CD automatic changer (CD-CH).



* If you have changed the "Ext Input" setting to "Line In" (see page 24), you cannot select the CD changer.

Playback starts from the first track of the first disc. All tracks of all discs are played back.



Note on One-Touch Operation:

When you press CD/CD-CH, the power automatically turns on. You do not have to press ⏻/I ATT *to turn on the power.*

To change the information shown on the display

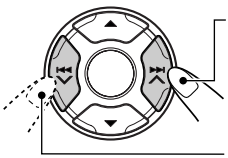
Press DISP (D) repeatedly.
For details, see “Changing the display information” on page 17.

Note:

If you change the source or turn off the unit, CD play also stops.
Next time you select “CD-CH” as the source, CD play starts from where playback has been stopped previously.

Locating a track or a particular portion on a CD

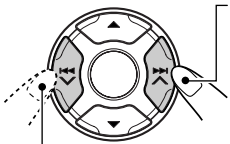
To fast-forward or reverse the track



Press and hold ►►I ^, while playing a disc, to fast-forward the track.

Press and hold I◄◄ v, while playing a disc, to reverse the track.

To go to the next track or the previous tracks



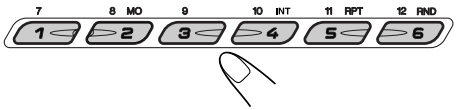
Press ►►I ^ briefly, while playing a disc, to go ahead to the beginning of the next track. Each time you press the button consecutively, the beginning of the next tracks is located and played back.

Press I◄◄ v briefly, while playing a disc, to go back to the beginning of the current track. Each time you press the button consecutively, the beginning of the previous tracks is located and played back.

Selecting a disc

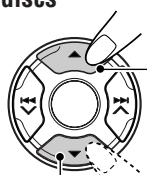
To go to a particular disc directly

Press the number button corresponding to the disc number to start its playback (while the CD changer is playing).



- To select a disc number from 1 – 6:
  Press 1 (7) – 6 (12) briefly.
- To select a disc number from 7 – 12:
  Press and hold 1 (7) – 6 (12) for more than 1 second.

To go to the next discs or the previous discs



Press ▲ (up), while playing a disc, to go to the next disc. Each time you press the button consecutively, the first track of the next disc is located and played back.

Press ▼ (down) while playing a disc, to go back to the previous disc. Each time you press the button consecutively, the first track of the previous disc is located and played back.

To select a disc using the disc lists

If you forget what discs are loaded in the CD changer, you can show the disc title list and select a disc on the list shown on the display.

- The display can show only six disc names at a time.

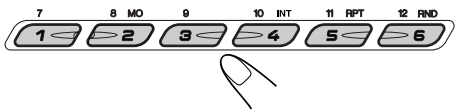
1 While playing a CD, press and hold ▲ (up) or ▼ (down) until a disc name list appears on the display.

Notes:

- *If a disc does not have any assigned name, a disc no. will be shown. (Disc titles of CD text cannot be shown.)*
- *The disc name will be shown if the disc has been played before. In the same manner, "No Disc" will appear if the unit has detected no disc in the disc number tray.*

2 Press ▲ or ▼ to show the other disc name list, if necessary.

3 Select the number (1 – 6) for the disc you want to play.

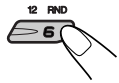


Selecting CD playback modes

To play back tracks at random (Random Play)

You can play back the tracks at random.

1 Press MODE (M) to enter the functions mode while playing a disc.
"Mode" appears on the display.



2 Press RND (random), while "Mode" is still on the display, so that the RND indicator is highlighted on the display.
Each time you press RND, the random play mode changes as follows:

Random 1 → Random 2 → Random Off

RANDOM indicator

RND indicator
(See the following table.)

Ex.: When you select "Random 1."

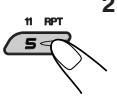
Mode	RND Indicator	Plays at random
Random 1	Highlighted	All tracks of the current disc, then the tracks of the next disc and so on.
Random 2	Flashes	All tracks of all discs inserted in the magazine.

When Random Play is turned on, the RANDOM indicator lights up or flashes on the display.

To play back tracks repeatedly (Repeat Play)

You can play back the current track or the tracks on the current disc repeatedly.

1 Press MODE (M) to enter the functions mode while playing a disc.
"Mode" appears on the display.



2 Press RPT (repeat), while "Mode" is still on the display, so that the RPT indicator is highlighted on the display.
Each time you press RPT, the repeat play mode changes as follows:

Repeat 1 → **Repeat 2** → **Repeat Off** →

REPEAT indicator

RPT indicator
(See the following table.)

Ex.: When you select "Repeat 1."

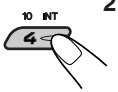
Mode	RPT Indicator	Plays repeatedly
Repeat 1	Highlighted	The current track (or specified track).
Repeat 2	Flashes	All tracks of the current disc (or specified disc).

When Repeat Play is turned on, the REPEAT indicator lights up or flashes on the display.

To play back only intros (Intro Scan)

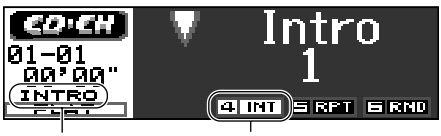
You can play back the first 15 seconds of each track sequentially.

1 Press MODE (M) to enter the functions mode while playing a disc.
"Mode" appears on the display.



2 Press INT (intro), while "Mode" is still on the display, so that the INT indicator is highlighted on the display.
Each time you press INT, the intro scan mode changes as follows:

Intro 1 → **Intro 2** → **Intro Off** →



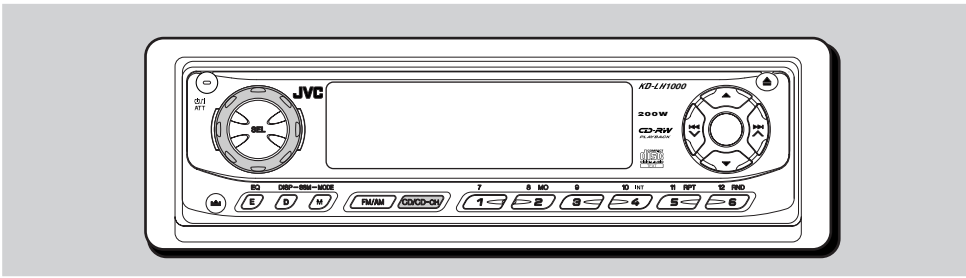
INTRO indicator

INT indicator
(See the following table.)

Ex.: When you select "Intro 1."

Mode	INT Indicator	Plays the beginnings
Intro 1	Highlighted	Of all tracks on all inserted discs.
Intro 2	Flashes	Of the first track on each inserted disc.

When Intro Scan is turned on, the INTRO indicator lights up or flashes on the display.



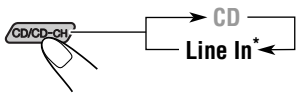
Playing an external component

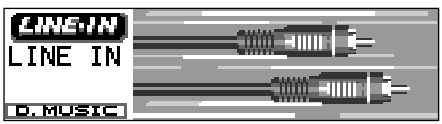
You can connect the external component to the CD changer jack on the rear using the Line Input Adaptor KS-U57 (not supplied).

Preparations:

- *For connecting the Line Input Adaptor KS-U57 and the external component, refer to the Installation/ Connection Manual (separate volume).*
- *Before operating the external component using the following procedure, select the external input correctly. (See "To select the external component to use—Ext Input" on page 24.)*

1 Select the external component (Line In).





* If "Line In" does not appear on the display, see page 24 and select the external input ("Line In").

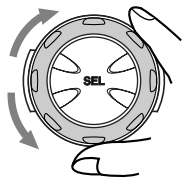
* Displayed only when one of the following sources is selected—FM, AM and CD.

Note on One-Touch Operation:

When you press CD/CD-CH, the power automatically comes on. You do not have to press ⏻/I ATT *to turn on the power.*

2 Turn on the connected component and start playing the source.

3 Adjust the volume.



4 Adjust the sound as you want. (See pages 18 – 21.)

TROUBLESHOOTING

What appears to be trouble is not always serious. Check the following points before calling a service center.

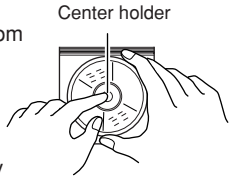
	Symptoms	Causes	Remedies
General Playback	• Sound is sometimes interrupted.	You are driving on rough roads.	Stop playback while driving on rough roads.
		Disc is scratched.	Change the disc.
		Connections are incorrect.	Check the cords and connections.
	• Sound cannot be heard from the speakers.	The volume level is set to the minimum level.	Adjust it to the optimum level.
		Connections are incorrect.	Check the cords and connections.
	• CD cannot be played back.	Disc is inserted upside down.	Insert the disc correctly.
	• CD-R/CD-RW cannot be played back. • Tracks on the CD-R/CD-RW cannot be skipped.	CD-R/CD-RW is not finalized.	• Insert a finalized CD-R/CD-RW. • Finalize the CD-R/CD-RW with the component which you used for recording.
	• “No Disc” flashes on the display .	No disc in the loading slot.	Insert a disc into the loading slot.
		Disc is inserted incorrectly.	Insert the disc correctly.
	• Disc cannot be ejected.	Disc is locked.	Unlock the disc (See page 16.)
	• This unit does not work at all.	The built-in microcomputer may have functioned incorrectly due to noise, etc.	Press the reset button on the panel holder using a ball-point pen after detaching the control panel. (The clock setting and preset stations stored in memory are erased.) (See page 2.)
FM/AM	• SSM (Strong-station Sequential Memory) automatic preset does not work.	Signals are too weak.	Store stations manually.
	• Static noise while listening to the radio.	The antenna is not connected firmly.	Connect the antenna firmly.
CD Changer	• “No Disc” flashes on the display .	No disc in the magazine.	Insert a disc.
	• “Reset 8” flashes on the display .	This unit is not connected to a CD changer correctly.	Connect this unit and the CD changer correctly and press the reset button of the CD changer.
	• “Reset 1” – “Reset 7” flashes on the display.	_____	Press the reset button of the CD changer.

Handling CDs

This unit has been designed to reproduce CDs, CD-Rs, CD-RWs and CD Text.

- **This unit is not compatible with MP3 discs.**

How to handle discs



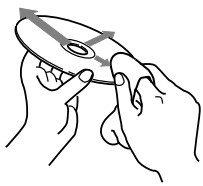
When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.

- Always hold the disc by the edges. Do not touch its recording surface.

When storing a disc into its case, gently insert the disc around the center holder (with the printed surface facing up).

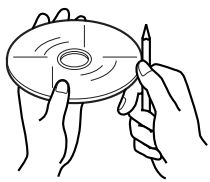
- Make sure to store discs into the cases after use.

To keep discs clean



A dirty disc may not play correctly. If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.

To play new discs



New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc. To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

About mistracking:

Mistracking may result from driving on extremely rough roads. This does not damage the unit and the disc, but will be annoying.
We recommend that you stop disc playback while driving on such rough roads.

Moisture condensation

Moisture may condense on the lens inside the unit in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the unit may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture evaporates.

When playing a CD-R or CD-RW

You can play back your original CD-Rs or CD-RWs recorded in audio CD format. However, they may not be played back depending on their characteristics or recording conditions.

- User-edited CD-Rs (Recordable) and CD-RWs (Rewritable) can be played back only if they are already "finalized."
- Before playing back CD-Rs or CD-RWs, read their instructions or cautions carefully.
- Some CD-Rs or CD-RWs may not be played back on this unit because of their disc characteristics, damage or stain on them, or if the player's lens is dirty.
- CD-Rs or CD-RWs are susceptible to high temperatures or high humidity; so do not leave them inside your car.
- CD-RWs may require a longer readout time. (This is caused by the fact that the reflectance of CD-RWs is lower than for regular CDs.)

CAUTIONS:

- *Do not insert 8 cm (3-3/16") discs (single CDs) into the loading slot. (Such discs cannot be ejected.)*
- *Do not insert any disc of unusual shape—like a heart or flower; otherwise, it will cause a malfunction.*
- *Do not expose discs to direct sunlight or any heat source or place them in a place subject to high temperature and humidity. Do not leave them in a car.*
- *Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzine, etc.) to clean discs.*

AUDIO AMPLIFIER SECTION

Maximum Power Output:
- Front: 50 W per channel
- Rear: 50 W per channel

Continuous Power Output (RMS):
- Front: 19 W per channel into 4 Ω, 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
- Rear: 19 W per channel into 4 Ω, 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.

Load Impedance: 4 Ω (4 Ω to 8 Ω allowance)
Equalizer Control Range:
- Low: ±06 (50 Hz, 80 Hz, 120 Hz)
- Mid: ±06 (700 Hz, 1 kHz, 2 kHz)
- High: ±06 (8 kHz, 12 kHz)

Frequency Response: 40 Hz to 20 000 Hz
Signal-to-Noise Ratio: 70 dB
Line-Out Level/Impedance: 2.0 V/20 kΩ load
Output Impedance: 1 kΩ

TUNER SECTION

Frequency Range:
- FM: 87.5 MHz to 107.9 MHz
- AM: 530 kHz to 1 710 kHz

[FM Tuner]
Usable Sensitivity: 11.3 dBf (1.0 μV/75 Ω)
50 dB Quieting Sensitivity: 16.3 dBf (1.8 μV/75 Ω)
Alternate Channel Selectivity (400 kHz): 65 dB
Frequency Response: 40 Hz to 15 000 Hz
Stereo Separation: 35 dB
Capture Ratio: 1.5 dB

[AM Tuner]
Sensitivity: 20 μV
Selectivity: 35 dB

CD PLAYER SECTION

Type: Compact disc player
Signal Detection System: Non-contact optical pickup (semiconductor laser)
Number of channels: 2 channels (stereo)
Frequency Response: 5 Hz to 20 000 Hz
Dynamic Range: 96 dB
Signal-to-Noise Ratio: 98 dB
Wow and Flutter: Less than measurable limit

GENERAL

Power Requirement:
- Operating Voltage: DC 14.4 V (11 V to 16 V allowance)

Grounding System: Negative ground
Allowable Operating Temperature:
- 0°C to +40°C (32°F to 104°F)

Dimensions (W × H × D):
- Installation Size:
  - 182 mm × 52 mm × 150 mm (7-3/16" x 2-1/16" x 6-1/4")
- Panel Size:
  - 188 mm × 58 mm × 14 mm (7-7/16" x 2-5/16" x 7/12")
- Mass: 1.4 kg (3.1 lbs) (excluding accessories)

Design and specifications subject to change without notice.

If a kit is necessary for your car, consult your telephone directory for the nearest car audio speciality shop.

Available characters

You can use the following characters to assign names to CDs, and external components (see page 28).

Capital letters

A	B	C	D	E
F	G	H	I	J
K	L	M	N	O
P	Q	R	S	T
U	V	W	X	Y
Z	space			

Small letters

a	b	c	d	e
f	g	h	i	j
k	l	m	n	o
p	q	r	s	t
u	v	w	x	y
z	space			

Numbers and symbols

0	1	2	3	4
5	6	7	8	9
!	”	#	$	%
&	’	(	)	*
+	,	–	.	/
:	;	<	=	>
?	@	_	`	space

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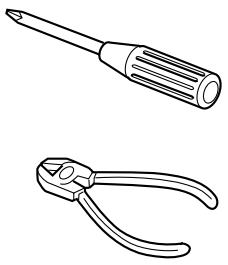
JVC

VICTOR COMPANY OF JAPAN, LIMITED

KD-LH1000
KD-LH2000

Installation/Connection Manual
Manual de instalación/conexión
Manuel d'installation/raccordement



LVT0855-002A
[J]

0202MNMMDWJEIN
EN, SP, FR

ENGLISH

- This unit is designed to operate on 12 V DC, NEGATIVE ground electrical systems.

INSTALLATION (IN-DASH MOUNTING)

- The following illustration shows a typical installation. However, you should make adjustments corresponding to your specific car. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

1 **Before mounting:** Press ⏏ (Control Panel Release button) to detach the control panel if already attached.
* When shipped from the factory, the control panel is packed in the hard case.

2 Remove the trim plate.

3 Remove the sleeve after disengaging the sleeve locks.

① Stand the unit.

Note: When you stand the unit, be careful not to damage the fuse on the rear.

② Insert the 2 handles between the unit and the sleeve, as illustrated, to disengage the sleeve locks.

③ Remove the sleeve.

Note: Be sure to keep the handles for future use after installing the unit.

4 Install the sleeve into the dashboard.

* After the sleeve is correctly installed in the dashboard, bend the appropriate tabs to hold the sleeve firmly in place, as illustrated.

5 Fix the mounting bolt to the rear of the unit's body and place the rubber cushion over the end of the bolt.

6 Do the required electrical connections.

7 Slide the unit into the sleeve.

8 Attach the trim plate.
Note: Ensure the recessed part is at the bottom.
If not, the control panel will not open completely.

9 Attach the control panel.

ESPAÑOL

- Esta unidad está diseñada para funcionar con 12 V de CC, con sistemas eléctricos de masa NEGATIVA.

INSTALACION (MONTAJE EN EL TABLERO DE INSTRUMENTOS)

- La siguiente ilustración muestra una instalación típica. Sin embargo usted deberá efectuar los ajustes correspondientes a su automóvil. Si tiene alguna pregunta o necesita información acerca de las herramientas para instalación, consulte con su concesionario de JVC de equipos de audio para automóviles o a una compañía que suministra tales herramientas.

1 **Antes de instalar:** Pulse ⏏ (botón de liberación del panel de control) para desenganchar el panel de control, si ya está fijado.
* El panel de control se expide de fábrica dentro del estuche duro.

2 Retire la placa de guarnición.

3 Retire la cubierta después de desenganchar los retenes de la cubierta.

① Ponga la unidad vertical.

Nota: Al poner la unidad vertical, tenga cuidado de no dañar el fusible provisto en la parte posterior.

② Inserte las dos manijas entre la unidad y la cubierta tal como en la ilustración y desenganche los retenes de la cubierta.

③ Retire la cubierta.

Nota: Después de instalar la unidad, asegúrese de guardar las manijas para uso futuro.

4 Instale la cubierta en el tablero de instrumentos.

* Después de que la cubierta esté correctamente instalada en el tablero de instrumentos, doble las lengüetas correspondientes para sostener la cubierta firmemente en su lugar, tal como se muestra.

5 Fije el perno de montaje en la parte trasera del cuerpo de la unidad y coloque el cojín de goma sobre el extremo del perno.

6 Realice las conexiones eléctricas requeridas.

7 Deslice la unidad dentro de la cubierta hasta que quede trabada.

8 Coloque la placa de guarnición.
Nota: Asegúrese de que la parte ahuecada quede en la parte inferior. De la contrario, el panel de control no se podrá abrir por completo.

9 Coloque el panel de control.

FRANÇAIS

- *Cet appareil est conçu pour fonctionner sur des sources de courant continu de 12 V à masse NEGATIVE.*

INSTALLATION (MONTAGE DANS LE TABLEAU DE BORD)

- *L'illustration suivante est un exemple d'installation typique. Cependant, vous devez faire les ajustements correspondant à votre voiture particulière. Si vous avez des questions ou avez besoin d'information sur des kits d'installation, consulter votre revendeur d'autoradios JVC ou une compagnie d'approvisionnement.*

1 **Avant le montage:** *Appuyer sur ⏏ (dèblocage du panneau de commande) pour èventeullement détacher le panneau de commande.*
** Lorsque ce panneau de commande sort d'usine, il est rangé dans un étui de transport.*

2 *Retirer la plaque d'assemblage.*

3 *Libérer les verrous du manchon et retirer le manchon.*

① *Poser l'appareil à la verticale.*

Remarque: *Lorsque vous mettez l'appareil à la verticale, faire attention de ne pas endommager le fusible situé sur l'arrière.*

② *Insérer les 2 poignées entre l'appareil et le manchon comme indiqué pour désengagé les verrous de manchon.*

③ *Retirer le manchon.*

Remarque: *S'assurer de garder les poignées pour une utilisation ultérieur, après l"installation de l'appareil.*

4 *Installer le manchon dans le tableau de bord.*

** Après installation correcte du manchon dans le tableau de bord, plier les bonnes pattes pour maintenir fermement le manchon en place, comme montré.*

5 *Monter le boulon de montage sur l'arrière du corps de l'appareil puis passer l'amortisseur en caoutchouc sur l'extrémité du boulon.*

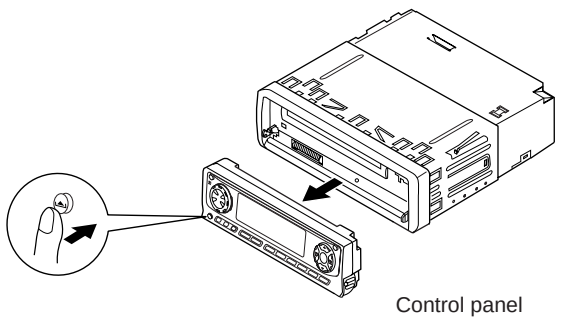
6 *Réalisez les connexions électriques.*

7 *Faites glisser l'appareil dans le manchon jusqu'à ce qu'il soit verrouillé.*

8 *Attachez la plaque d'ajustage.*
Remarque: *Assurez-vous que la partie encastrée est en bas. Sinon, le panneau de commande ne pourra pas être ouvert complètement.*

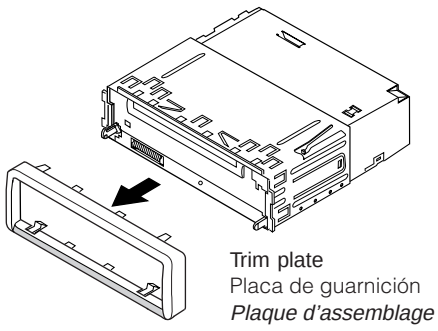
9 *Remonter le panneau de commande.*

1



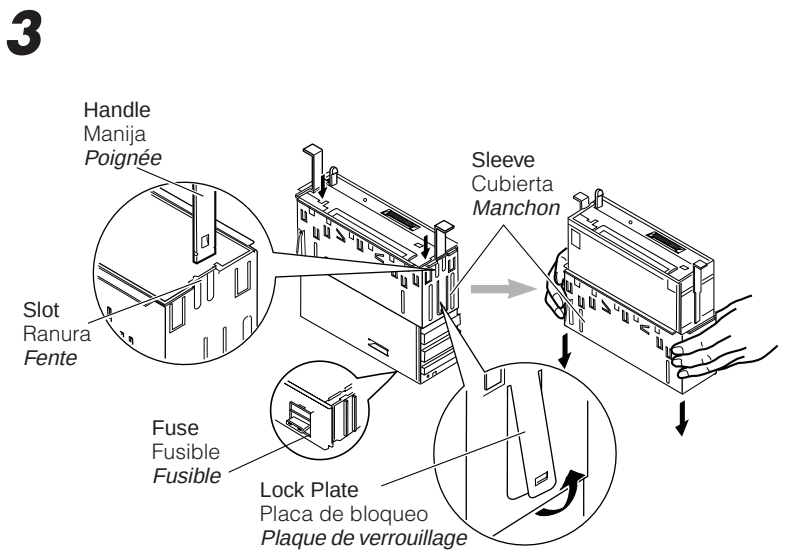
Control panel
Panel de control
Panneau de commande

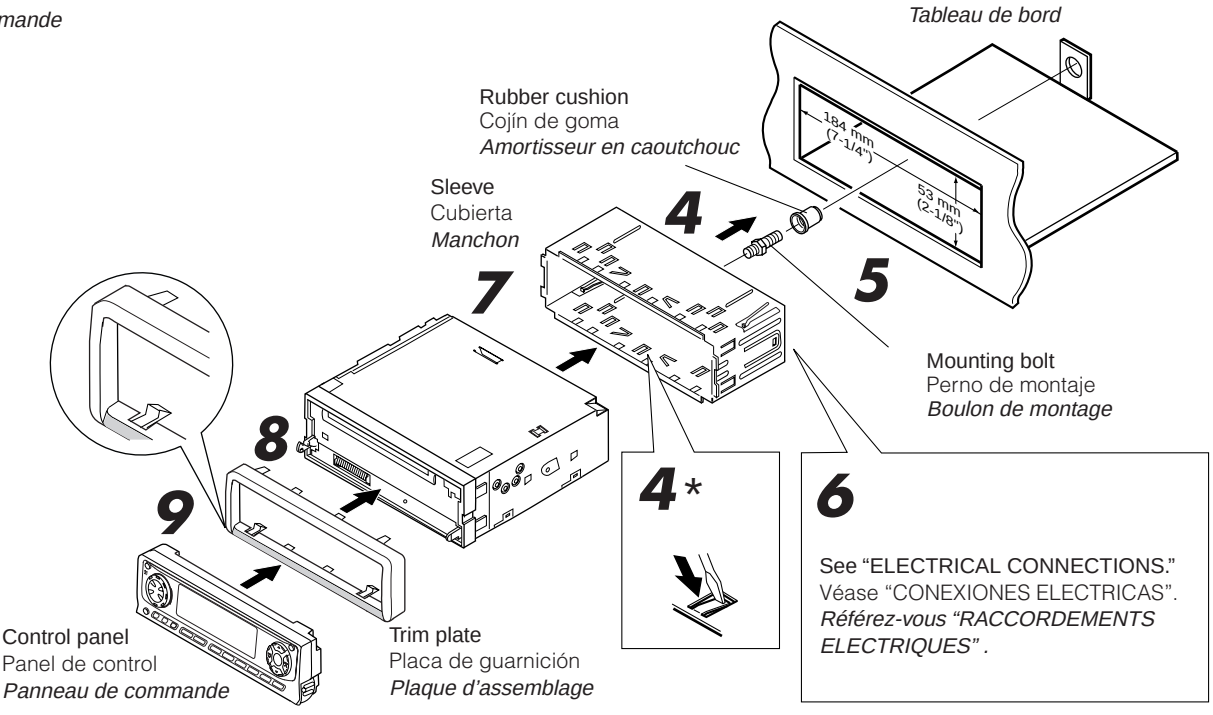
2



Trim plate
Placa de guarnición
Plaque d'assemblage

3



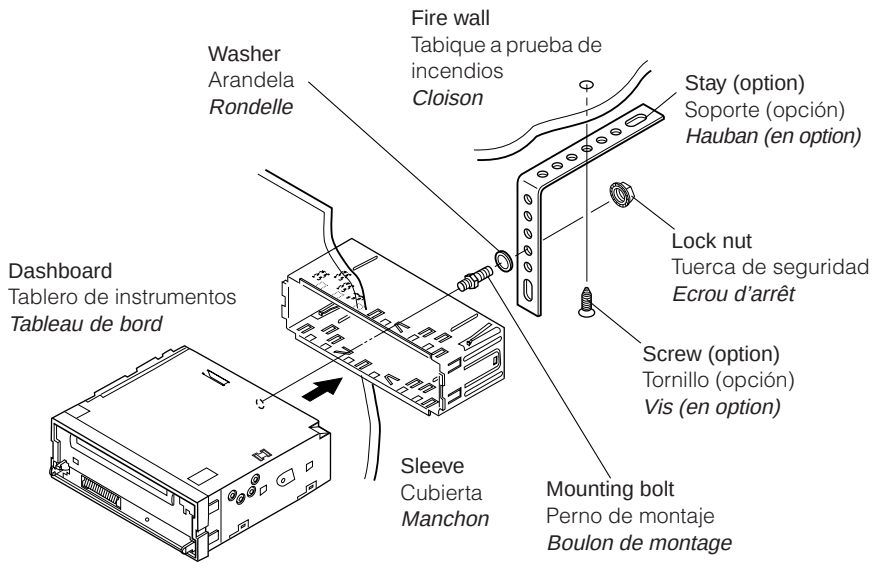


4*

6

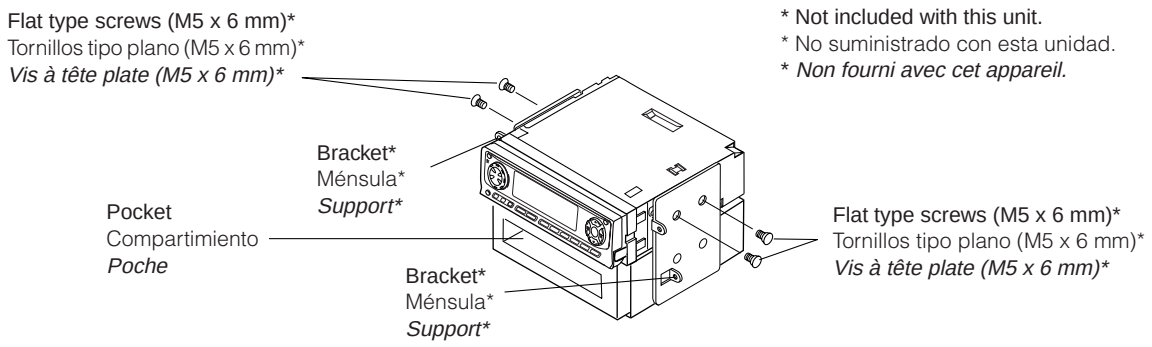
See "ELECTRICAL CONNECTIONS."
Véase "CONEXIONES ELECTRICAS".
Référez-vous "RACCORDEMENTS ELECTRIQUES" .

• When using the optional stay
• Cuando emplea un soporte opcional
• Lors de l'utilisation du hauban en option



• When installing the unit without using the sleeve
• Instalación de la unidad sin utilizar la cubierta
• Lors de l'installation de l'appareil sans utiliser de manchon

In a Toyota for example, first remove the car radio and install the unit in its place.
En un Toyota por ejemplo, primero extraiga la radio del automóvil y luego instale la unidad en su lugar.
Par exemple dans une Toyota, retirer d'abord l'autoradio et installer l'appareil à la place.



Note: When installing the unit on the mounting bracket, make sure to use the 6 mm-long screws. If longer screws are used, they could damage the unit.
Nota: Cuando instala la unidad en la ménsula de montaje, asegúrese de utilizar los tornillos de 6 mm de longitud. Si se utilizan tornillos más largos, éstos pueden dañar la unidad.
Remarque: *Lors de l'installation de l'appareil sur le support de montage, s'assurer d'utiliser des vis d'une longueur de 6 mm. Si des vis plus longues sont utilisées, elles peuvent endommager l'appareil.*

Removing the unit

• Before removing the unit, release the rear section.
1 Remove the control panel.
2 Remove the trim plate.
3 Insert the 2 handles into the slots, as shown. Then, while gently pulling the handles away from each other, slide out the unit. **(Be sure to keep the handles after installing it.)**

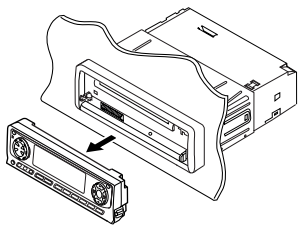
Extracción de la unidad

• Antes de extraer la unidad, libere la sección trasera.
1 Extraiga el panel de control.
2 Retire la placa de guarnición.
3 Inserte las 2 manijas entre las ranuras, como se muestra. Luego, separe shavemente las manijas y extraiga la unidad. **(Asegúrese de conservar las manijas después de instalarlo.)**

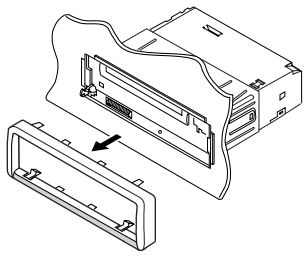
Retrait de l'appareil

• *Avant de retirer l'appareil, libérer la section arrière.*
1 *Retirer le panneau de commande.*
2 *Retirer la plaque d'assemblage.*
3 *Introduire les deux poignées dans les fentes, comme montré. Puis, tout en tirant doucement les poignées écartées, faire glisser l'appareil pour le sortir.* **(S'assurer de conserver les poignées après l'installation de l'appareil.)**

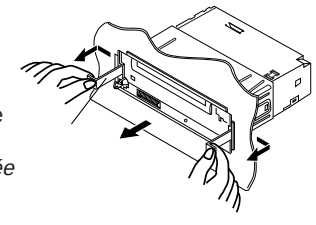
1


Control panel
Panel de control
Panneau de commande

2

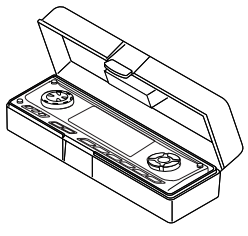

Trim plate
Placa de guarnición
Plaque d'assemblage

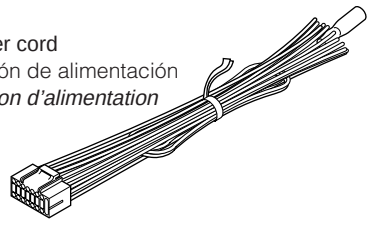
3

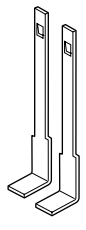

Handle
Manija
Poignée

Parts list for installation and connection

The following parts are provided with this unit.
After checking them, please set them correctly.

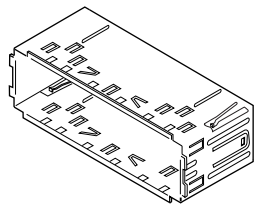

Hard case/Control panel
Estuche duro/Panel de control
Etui de transport/Panneau de commande

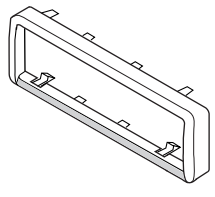

Power cord
Cordón de alimentación
Cordon d'alimentation


Handles
Manijas
Poignées

Lista de piezas para instalación y conexión

Con esta unidad se suministran las siguientes piezas.
Después de inspeccionarlas, colóquelas correctamente.


Sleeve
Cubierta
Manchon

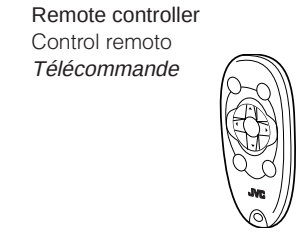

Trim plate
Placa de guarnición
Plaque d'assemblage

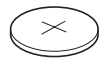
Washer (ø5)
Arandela (ø5)
Rondelle (ø5)

Lock nut (M5)
Tuerca de seguridad (M5)
Ecrou d'arrêt (M5)

Liste des pièces pour l'installation et raccordement

Les pièces suivantes sont fournies avec cet appareil.
Après vérification, veuillez les placer correctement.


Remote controller
Control remoto
Télécommande


Battery
Pila
Pile
CR2025

Mounting bolt (M5 x 20 mm)
Perno de montaje (M5 x 20 mm)
Boulon de montage (M5 x 20 mm)

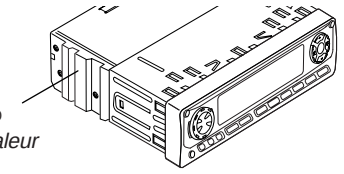
Rubber cushion
Cojín de goma
Amortisseur en caoutchouc

ELECTRICAL CONNECTIONS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit. If you are not sure how to install this unit correctly, have it installed by a qualified technician.

Note:
This unit is designed to operate only on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- If noise is a problem...
  This unit incorporates a noise filter in the power circuit. However, with some vehicles, clicking or other unwanted noise may occur. If this happens, connect the unit's **rear ground terminal** (see connection diagram) to the car's chassis using shorter and thicker cords, such as copper braiding or gauge wire. If noise still persists, consult your JVC car audio dealer.
- Maximum input of the speakers should be no more than 50 W at the rear and 50 W at the front, with an impedance of **4 Ω to 8 Ω**.
- **Be sure to ground this unit to the car's chassis.**
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.


Heat sink
Sumidero térmico
Dissipateur de chaleur

CONEXIONES ELECTRICAS

Para evitar cortocircuitos, recomendamos que desconecte el terminal negativo de la batería y que efectúe todas las conexiones eléctricas antes de instalar la unidad. Si usted no está seguro de cómo instalar correctamente la unidad, hágala instalar por un técnico cualificado.

Nota:
Esta unidad está diseñada para funcionar con **12 V de CC, con sistemas eléctricos de masa NEGATIVA** solamente. Si su vehículo no posee este sistema, será necesario un inversor de tensión, que puede ser adquirido en los concesionarios de JVC de equipos de audio para automóviles.

- Reemplace el fusible por uno con la corriente especificada. Si el fusible se quemase frecuentemente consulte con su concesionario de JVC de equipos de audio para automóviles.
- Si el ruido fuese un problema...
  Esta unidad tiene un filtro de ruido en el circuito de alimentación. Sin embargo, en algunos vehículos, pueden producirse chasquidos u otros ruidos indeseados. En tal caso conecte el **terminal de tierra posterior** (véase diagrama de conexión) del receptor al chasis del automóvil, utilizando cordones más gruesos y cortos tales como alambre de cobre trenzado o de grueso calibre. Si el ruido persiste, consulte a su concesionario de JVC de equipos de audio para automóvil.
- La entrada máxima de los altavoces traseros no debe ser no más que 50 W en el trasero y 50 W en la frontal, con una impedancia de **4 Ω a 8 Ω**.
- **Asegúrese de conectar esta unidad a tierra en el chasis del automóvil.**
- El sumidero térmico estará muy caliente después del uso. Asegúrese de no tocarlo al desmontar esta unidad.

RACCORDEMENTS ELECTRIQUES

Pour éviter tout court-circuit, nous vous recommandons de débrancher la borne négative de la batterie et d'effectuer tous les raccordements électriques avant d'installer l'appareil. Si l'on n'est pas sûr de pouvoir installer correctement cet appareil, le faire installer par un technicien qualifié.

Remarque:
Cet appareil est conçu pour fonctionner sur des sources de courant continu de **12 V à masse NEGATIVE** *seulement. Si votre véhicule n'offre pas ce type d'alimentation, il vous faut un convertisseur de tension, que vous pouvez acheter chez un revendeur d'autoradios JVC.*

- *Remplacer le fusible par un de la valeur précisée. Si le fusible saute souvent, consulter votre revendeur d'autoradios JVC.*
- *Si le bruit est un problème...*
  Cet appareil incorpore un filtre de bruit dans le circuit d'alimentation. Cependant, avec certains véhicules, quelques claquements ou autres bruits non désirés risquent de se produire. Si cela arrive, raccorder la **borne arrière de masse** *de l'appareil au châssis de la voiture (voir le schéma de raccordement) en utilisant des cordons les plus gros et les plus courts possibles telle qu'une barre de cuivre ou une tresse. Si le bruit persiste, consulter votre revendeur d'autoradios JVC.*
- *La puissance admissible des enceintes devrait n'être pas plu qu'c 50 W à l'arrière et à 50 W l'avant, avec une impédance de* **4 Ω à 8 Ω**.
- **S'assurer de raccorder la mise à la masse de cet appareil au châssis de la voiture.**
- *Le dissipateur de chaleur devient très chaud après usage. Faire attention de ne pas le toucher en retirant cet appareil.*

ENGLISH

A Typical Connections

Before connecting: Check the wiring in the vehicle carefully not to fail in connecting this unit. Incorrect connection may cause a serious damage to this unit.
The leads of the power cord and those of the connector from the car body may be different in color.

1 Connect the colored leads of the power cord to the car battery, speakers and automatic antenna (if any) in the following sequence.
   ① Black: ground
   ② Yellow: to car battery (constant 12 V)
   ③ Red: to an accessory terminal
   ④ Blue with white stripe: to automatic power antenna (200 mA max.)
   ⑤ Orange with white stripe: to car light control switch
   ⑥ Others: to speakers

2 Connect the antenna cord.

3 Finally connect the wiring harness to the unit.

ESPAÑOL

A Conexiones típicas

Antes de la conexión: Verifique atentamente el conexionado del vehículo para no cometer errores al conectar esta unidad. Una conexión incorrecta podría producir daños graves en la unidad. Los cordones del cable de alimentación y los del conector procedentes de la carrocería del automóvil podrían ser de diferentes en color.

1 Conecte los conductores de color del cable de alimentación a la batería del automóvil, altavoces y antena automática (si la hubiere) en la secuencia siguiente.
   ① Negro: a tierra
   ② Amarillo: a la batería del automóvil (12 V constantes)
   ③ Rojo: a un terminal de accesorio
   ④ Azul con rayas blancas: a la antena mortriz automática (200 mA máx.)
   ⑤ Naranja con rayas blancas: al interruptor de control de las luces del automóvil
   ⑥ Otros: a los altavoces

2 Conecte el cable de antena.

3 Por último, conecte a la unidad el cableado preformado.

FRANÇAIS

A Raccordements typiques

Avant de commencer la connexion: *vérifiez attentivement le câblage du véhicule pour ne pas connecter incorrectement cet appareil. Une connexion incorrecte peut endommager sérieusement l'appareil.*
Le fil du cordon d'alimentation et ceux des connecteurs du châssis de la voiture peuvent être différents en couleur.

1 *Connectez les fils de couleur du cordon d'alimentation à la batterie de la voiture, aux enceintes et à l'antenne automatique (s'il y en a une) dans l'ordre suivant.*
   ① *Noir: a la masse*
   ② *Jaune: a la batterie de la voiture (12 Vconstant)*
   ③ *Rouge: à la prise accessoire*
   ④ *Bleu avec bande blanche: à l'antenne électrique automatique (200 mA max.)*
   ⑤ *Orange avec bande blanche: à l'interrupteur d'éclairage de la voiture*
   ⑥ *Autres fils: aux enceintes*

2 *Connectez le cordon d'antenne.*

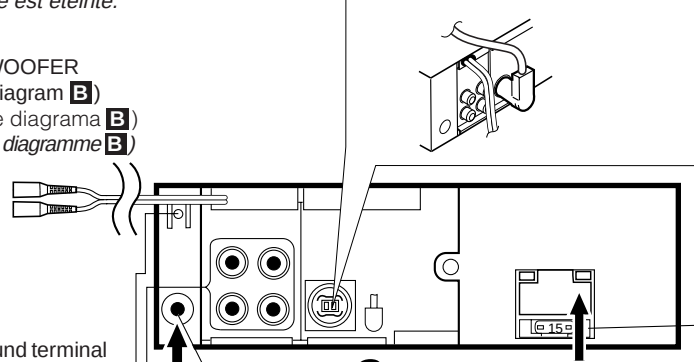
3 *Finalement, connectez le faisceau de fils à l'appareil.*

Before connecting the CD changer, make sure that the unit is turned off.
Antes de conectar el cambiador de CD, asegúrese de que la unidad esté apagada.
Avant de connecter le changeur CD, s'assurer que l'unité est éteinte.

JVC CD changer
Cambiador de CD JVC
Changeur de CD JVC

When connecting a CD changer, we recommend that you connect one of the CH-X series CD changers.
• If your CD changer is one of the KD-MK series, you need an optional cord (KS-U15K).
You can also use an external component such as a portable MD player by connecting the Line Input Adaptor KS-U57 (not supplied). (See diagram B)
Cuando conecte un cambiador de CD, se recomienda utilizar uno de la serie CH-X.
• Si su cambiador de CD es de la serie KD-MK, necesitará un cable opcional (KS-U15K).
Conectando el adaptador de entrada de línea KS-U57 (no suministrado), también podrá usar un componente exterior, tal como un reproductor de MD. (Véase diagrama B)
Lors de la connexion d'un changeur CD, nous vous recommandons d'utiliser un des changeurs CD de la série CH-X.
• Si votre changeur appartient à la série KD-MK, vous avez besoin d'un cordon optionnel (KS-U15K).
Vous pouvez aussi utiliser un appareil extérieur tel qu'un lecteur de MD en connectant l'adaptateur d'entrée de ligne KS-U57 (non fourni) (voir le diagramme B).

SUBWOOFER
(see diagram B)
(véase diagrama B)
(voir le diagramme B)



15 A fuse
Fusible de 15 A
Fusible 15 A

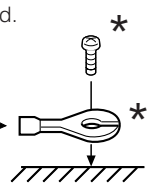
Rear ground terminal
Terminal de tierra posterior
Borne arrière de masse

Antenna terminal
Terminal de la antena
Borne de l'antenne

LINE OUT
(see diagram B)
(véase diagrama B)
(voir le diagramme B)

To antenna
A la antena
A l'antenne

* Not supplied with this unit.
No suministrado con esta unidad.
Non fourni avec cet appareil.



Ignition switch
Interruptor de encendido
Interrupteur d'allumage

Black
Negro
Noir
① To metallic body or chassis of the car
A un cuerpo metálico o chasis del automóvil
Vers corps métallique ou châssis de la voiture

Yellow*1
Amarillo*1
*Jaune*1*
② To a live terminal in the fuse block connecting to the car battery (by passing the ignition switch)
A un terminal activo del bloque de fusibles conectado a la batería del automóvil (desviando el interruptor de encendido)
À une borne sous tension du porte-fusible connectée à la batterie de la voiture (en dérivant l'interrupteur d'allumage)

Red
Rojo
Rouge
③ To an accessory terminal in the fuse block
A un terminal accesorio del bloque de fusibles
Vers borne accessoire du porte-fusible

Fuse block
Bloque de fusibles
Porte-fusible

Blue with white stripe
Azul con rayas blancas
Bleu avec bande blanche
④ To automatic antenna if any
A la antena automática si la hubiere
Vers borne d'antenne automatique s'il y en a une

Orange with white stripe / Naranja con rayas blancas / *Orange avec bande blanche* (ILLUMINATION) ⑤ To car light control switch
Al interruptor de control de las luces del automóvil
À l'interrupteur d'éclairage de la voiture

⑥

White with black stripe / Blanco con rayas negras / *Blanc avec bande noire* — (–) (+) — White / Blanco / *Blanc*	Gray with black stripes / Gris con rayas negras / *Gris avec bande noire* — (–) (+) — Gray / Gris / *Gris*	Green with black stripes / Verde con rayas negras / *Vert avec bande noire* — (–) (+) — Green / Verde / *Vert*	Purple with black stripes / Púrpura con rayas negras / *Violet avec bande noire* — (–) (+) — Purple / Púrpura / *Violet*
Left speaker (front) / Altavoz izquierdo (frontal) / *Haut-parleur gauche (avant)*	Right speaker (front) / Altavoz derecho (frontal) / *Haut-parleur droit (avant)*	Left speaker (rear) / Altavoz izquierdo (trasero) / *Haut-parleur gauche (arrière)*	Right speaker (rear) / Altavoz derecho (trasero) / *Haut-parleur droit (arrière)*

*1: Before checking the operation of this unit prior to installation, this lead must be connected, otherwise power cannot be turned on.
*1: Antes de comprobar el funcionamiento de esta unidad previa a de la instalación, es necesario conectar este cable, de lo contrario no se podrá conectar la alimentación.
**1: Pour vérifier le fonctionnement de cet appareil avant installation, ce fil doit être raccordé, sinon l'appareil ne peut pas être mis sous tension.*

PRECAUTIONS on power supply and speaker connections:

- **DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.**
- Connect the black lead (ground), yellow lead (to car battery, constant 12 V), and red lead (to an accessory terminal) correctly.
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.
  – **If the speaker wiring in your car is as illustrated in Fig. 1 and Fig. 2 below,** DO NOT connect the unit using that original speaker wiring. If you do, the unit will be seriously damaged. Redo the speaker wiring so that you can connect the unit to the speakers as illustrated in Fig. 3.
  – **If the speaker wiring in your car is as illustrated in Fig. 3,** you can connect the unit using the original speaker wiring in your car.
  – If you are not sure of the speaker wiring of your car, consult your car dealer.

Fig. 1

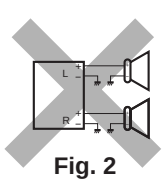


Fig. 2

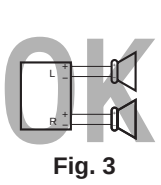


Fig. 3

PRECAUCIONES sobre las conexiones de la fuente de alimentación y de los altavoces:

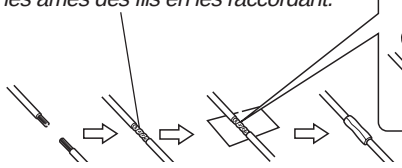
- **NO conecte los conductores de altavoz del cable de alimentación a la batería de automóvil, pues podrían producirse graves daños en la unidad.**
- Conecte correctamente el conductor negro (a tierra), el conductor amarillo (a la batería del automóvil, 12 V constantes), y el conductor rojo (a un terminal de accesorio).
- ANTES de conectar a los altavoces los conductores de altavoz del cable de alimentación, verifique el conexionado de altavoz de su automóvil.
  – **Si el conexionado de altavoz de su automóvil es como se indica en las Fig. 1 y Fig. 2 de abajo,** NO conecte la unidad utilizando ese conexionado de altavoz original. Si lo hace, se producirán daños graves en la unidad. Vuelva a efectuar el conexionado de altavoz de manera que pueda conectar la unidad a los altavoces de la manera indicada en la Fig.3.
  – **Si el conexionado de altavoz de su automóvil es como se indica en la Fig. 3,** podrá conectar la unidad utilizando el conexionado de altavoz original de su automóvil.
  – Si tiene dudas sobre el conexionado de altavoz de su automóvil, consulte con su concesionario.

PRECAUTIONS sur l'alimentation et la connexion des enceintes:

- **NE CONNECTEZ PAS les fils d'enceintes du cordon d'alimentation à la batterie; sinon, l'appareil serait sérieusement endommagé.**
- *Connectez correctement le fil noir (a la masse), le fil jaune (a la batterie de la voiture,12 V constant) et le fil rouge (à la prise accessoire).*
- *AVANT de connecter les fils d'enceintes du cordon d'alimentation aux enceintes, vérifiez le câblage des enceintes de votre voiture.*
  – **Si le câblage des enceintes de votre voiture est réalisé comme montré sur la Fig. 1 ou Fig. 2 ci-dessous,** *NE CONNECTEZ PAS l'appareil en utilisant ce câblage original d'enceintes. Si vous le faites, l'appareil sera sérieusement endommagé. Recommencez le câblage des enceintes de façon que vous puissiez connecter l'appareil aux enceintes comme montré sur la Fig. 3.*
  – **Si le câblage des enceintes de votre voiture est comme montré sur la Fig. 3,** *vous pouvez connecter l'appareil en utilisant ce câblage original d'enceintes pour votre voiture.*
  – *Si vous n'êtes pas sûrs du câblage d'enceintes de votre voiture, consulter le concessionnaire de votre voiture.*

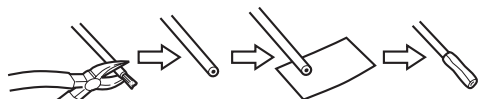
Connecting the leads / Conexión de los conductores / Raccordement des fils

Twist the core wires when connecting.
Retuerza los alambres de alma para conectarlos.
Torsader les âmes des fils en les raccordant.



Solder the core wires to connect them securely.
Suelde los alambres de alma para conectarlos con firmeza.
Souder les âmes desfils pour les raccorder entre eux de façon sûre.

CAUTION / PRECAUCION / PRECAUTION:
- **To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.**
- **Para evitar cortocircuitos, cubra los cables NO UTILIZADOS con cinta aislante.**
- **Pour éviter les court-circuits, couvrir les bornes des fils qui ne sont PAS utilisés avec de la bande isolante.**



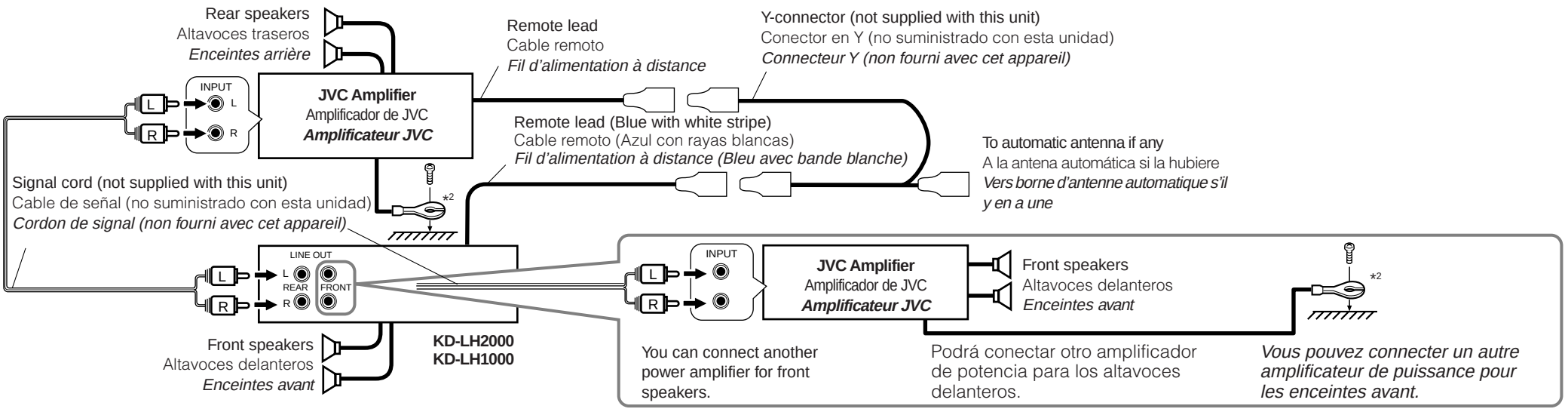
B Connections Adding Other Equipment / Conexiones para añadir otros equipos / Raccordement pour ajouter d'autres appareils

You can connect an amplifier and other equipment to upgrade your car stereo system.
- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this unit.
- For amplifier:
  – Connect this unit's line-out terminals to the amplifier's line-in terminals.
  – Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused. (Cover the terminals of these unused leads with insulating tape, as illustrated above.)
- For playback source components: After connection is done, adjust and store the input level of each component (See "Adjusting the sound" on the INSTRUCTIONS (separate volume).

Usted podrá conectar un amplificador y otros equipos para mejorar el sistema estéreo de su automóvil.
- Conecte el conductor remoto (azul con rayas blancas) al conductor remoto del otro equipo para poderlo controlar a través de esta unidad.
- Para el amplificador:
  – Conecte los terminales de salida de línea de esta unidad a los terminales de entrada de línea del amplificador.
  – Desconecte los altavoces de esta unidad y conéctelos al amplificador. Deje los conductores de los altavoces de esta unidad sin usar. (Cubra los terminales de estos cables sin usar con cinta aislante, tal comose indica en la figura de arriba.)
- Para los componentes de la fuente de reproducción: Después de efectuar la conexión, ajuste y almacene el nivel de entrada de cada componente. (Consulte "Ajuste del sonido" en las INSTRUCCIONES (volumen separado)).

Vous pouvez connecter un amplificateur ou autre appareil pour améliorer votre système autoradio.
- *Connectez le fil de commande à distance (bleu avec bande blanche) au fil de commande à distance de l'autre appareil de façon qu'il puisse être commandé via cet appareil.*
- *Pour l'amplificateur:*
  – Raccorder les fiches de sortie ligne de cet appareil aux fiches d'entrée ligne de l'amplificateur.
  – Déconnectez les enceintes de cet appareil et connectez-les à l'amplificateur. Laissez les fils d'enceintes de cet appareil inutilisés. (Recouvrir les extrémités de ces fils inutilisés avec de la bande isolante comme montré ci-dessus.)
- *Pour les appareils source de lecture: Une fois que la connexion est terminée, ajustez et mémorisez le niveau d'entrée pour chaque appareil. (Voir la section "Ajustement du son" des "INSTRUCTIONS" (volume séparé).)*

Amplifier / Amplificador / Amplificateur

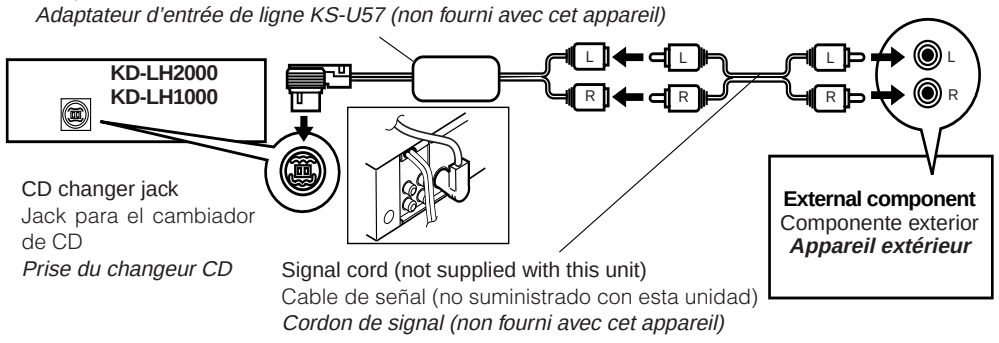


***2 Firmly attach the ground wire to the metallic body or to the chasis of the car—to the place not coated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the unit.**
***2 Fije firmemente el cable de tierra a la carrocería metálica o al chasis—a un lugar no cubierto con pintura (si está cubierto con pintura, quítela antes de fijar el cable). De lo contrario, se podrían producir daños en la unidad.**
***2 Attachez solidement le fil de mise à la masse au châssis métallique de la voiture—à un endroit qui n'est pas recouvert de peinture (s'il est recouvert de peinture, enlevez d'abord la peinture avant d'attacher le fil). L'appareil peut être endommagé si cela n'est pas fait correctement.**

External component / Componente exterior / Appareil extérieur

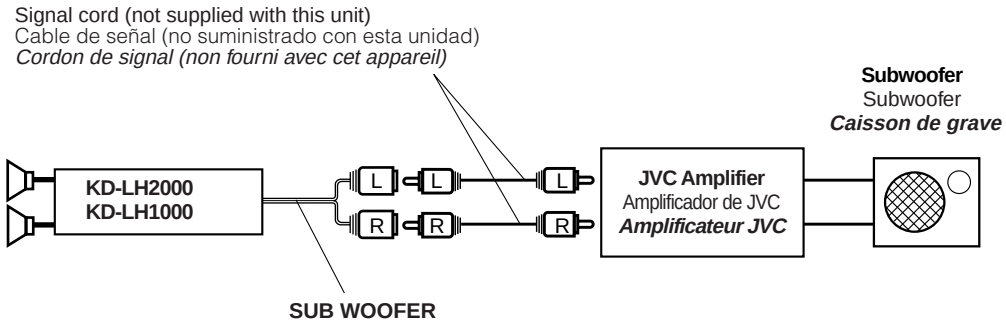
External component / Componente exterior / ***Appareil extérieur***

Line Input Adaptor KS-U57 (not supplied with this unit)
Adaptador de entrada de línea KS-U57 (no suministrado con esta unidad)
Adaptateur d'entrée de ligne KS-U57 (non fourni avec cet appareil)



See page 34 on the INSTRUCTIONS (separate volume).
Consulte página 34 en las INSTRUCCIONES (volumen separado).
Voir la page 34 des "INSTRUCTIONS" (volume séparé).

Subwoofer / Subwoofer / *Caisson de grave*



TROUBLESHOOTING

- **The fuse blows.**
* Are the red and black leads connected correctly?
- **Power cannot be turned on.**
* Is the yellow lead connected?
- **No sound from the speakers.**
* Is the speaker output lead short-circuited?
- **Sound is distorted.**
* Is the speaker output lead grounded?
* Are the "–" terminals of L and R speakers grounded in common?
- **Unit becomes hot.**
* Is the speaker output lead grounded?
* Are the "–" terminals of L and R speakers grounded in common?

LOCALIZACION DE AVERIAS

- **El fusible se quema.**
* ¿Están los conductores rojo y negro correctamente conectados?
- **No es posible conectar la alimentación.**
* ¿Está el cable amarillo conectado?
- **No sale sonido de los altavoces.**
* ¿Está el cable de salida del altavoz cortocircuitado?
- **El sonido presenta distorsión.**
* ¿Está el cable de salida del altavoz conectado a masa?
* ¿Están los terminales "–" de los altavoces L y R conectados a una masa común?
- **La unidad se calienta.**
* ¿Está el cable de salida del altavoz conectado a masa?
* ¿Están los terminales "–" de los altavoces L y R conectados a una masa común?

EN CAS DE DIFFICULTES

- **Le fusible saute.**
* *Les fils rouge et noir sont-ils racordés correctement?*
- **L'appareil ne peut pas être mise sous tension.**
* *Le fil jaune est-elle raccordée?*
- **Pas de son des enceintes.**
* *Le fil de sortie de d'enceinte est-il court-circuité?*
- **Le son est déformé.**
* *Le fil de sortie de d'enceinte est-il à la masse?*
* *Les bornes "–" des enceintes gauche et droit sont-elles mises ensemble à la masse?*
- **L'appareil devient chaud.**
* *Le fil de sortie de d'enceinte est-il à la masse?*
* *Les bornes "–" des enceintes gauche et droit sont-elles mises ensemble à la masse?*

IMPORTANT

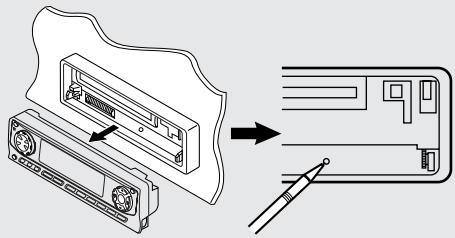
Notice the following information will help you solve the problems.
Keep this IMPORTANT sheet together with the INSTRUCTIONS book.

- **After installing the unit**
  → Follow the procedure A described below.
- **If the unit does not operate**
  → Follow the procedure A described below.
- **If a CD is not ejected from the loading slot**
  → Follow the procedure B described below. (If the procedure B does not work, try the procedure A.)
- **If a CD is not recognized ("No Disc" appears on the display) even though there is a CD in the loading slot**
  → Follow the procedure B described below. (If the procedure B does not work, try the procedure A.)

A To reset the microcomputer

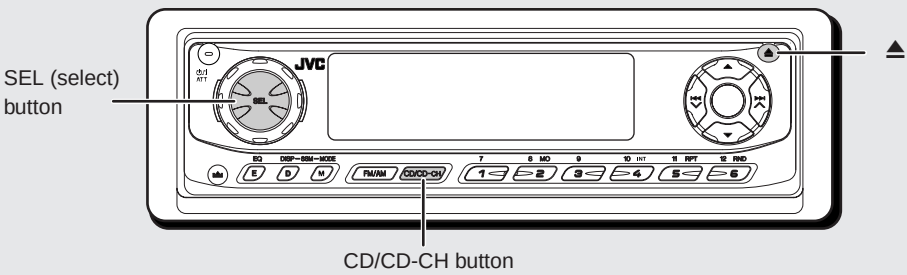
After detaching the control panel, press the reset button on the front panel using a ball-point pen or a similar tool.
This will reset the built-in microcomputer.

NOTE: Your preset adjustments — such as preset channels or sound adjustments — will also be erased.



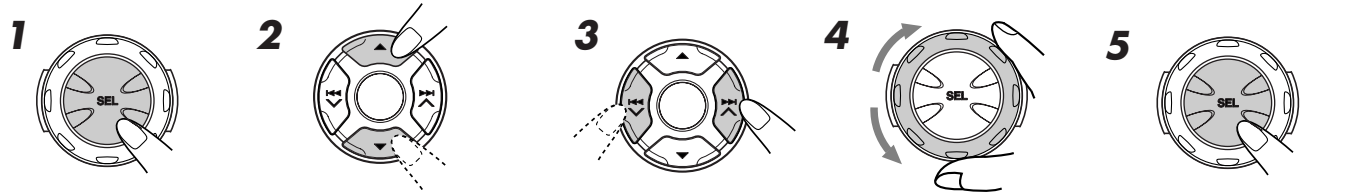
B To eject a CD by force

While holding CD/CD-CH button, press SEL (select) button for several seconds. ("Please Eject" appear on the display.) When you open the control panel by pressing ⏏, be careful not to drop the CD when it is ejected.



LVT0928-001A

Canceling the display demonstration / Cancelación de la demostración en pantalla / Annulation de la démonstration des affichages



ENGLISH

When shipped from the factory, display demonstration (MovieDemo) has been activated, and starts automatically when no operations are done for about 20 seconds.

To cancel the display demonstration, follow the procedure below:

1. Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
2. Press ▲ (up) or ▼ (down) repeatedly until “Disp (display)” is selected as the PSM category (it is shown on the left side of the display).
3. Select “MovieDemo.”
4. Select “Off.”
5. Finish the setting.

To activate the display demonstration, repeat the same procedure and select “All Time” or “Interval” in step 4.

ESPAÑOL

La unidad se expide de fábrica con la demostración en pantalla (MovieDemo) activada para que se inicie automáticamente tras un período de inactividad de 20 segundos.

Para cancelar la demostración en pantalla, siga el procedimiento de abajo.

1. Pulse y mantenga pulsado SEL (selección) durante más de 2 segundos para que aparezca uno de los ítems de PSM en la pantalla.
2. Pulse ▲ (arriba) o ▼ (abajo) repetidamente hasta que “Disp (pantalla)” quede seleccionado como categoría de PSM (se muestra en el lado izquierdo de la pantalla).
3. Seleccione “MovieDemo”.
4. Seleccione “Off”.
5. Finalice el ajuste.

Para activar la demostración en pantalla, repita el mismo procedimiento y seleccione “All Time” o “Interval” en el paso 4.

FRANÇAIS

À l’expédition de l’usine, la démonstration (MovieDemo) est en service et celle-ci démarre automatiquement quand aucune opération n’est effectuée pendant environ 20 secondes.

Pour annuler la démonstration, suivez la procédure ci-dessous.

1. Maintenez pressée SEL (sélection) pendant plus de 2 secondes de façon que l’un des éléments PSM apparaisse sur l’affichage.
2. Appuyez répétitivement sur ▲ (haut) ou sur ▼ (bas) jusqu’à ce que “Disp (affichage)” soit choisi comme catégorie PSM (il apparaît du côté gauche de l’affichage).
3. Choisissez “MovieDemo”.
4. Choisissez “Off”.
5. Terminez le réglage.

Pour mettre en service la démonstration des affichages, répétez la même procédure et choisissez “All Time” ou “Interval” à l’étape 4.

Errata / Errata / Errata

English Page 24

Incorrect	Correct
Notes: • *When you try to assign a name to the 41st disc, "Name Full" appears on the display. (In this case, delete unwanted names before assignment.)*	***Notes:*** • *When you try to assign a name to the 41st disc, you cannot ener the text entry mode (and will hear a beep sound if "Beep" has been set to "On": see page 24) (In this case, delete unwanted names before assignment.)*

Español Pàgina 24

Incorrecto	Correcto
Notes: • *When you try to assign a name to the 41st disc, "Name Full" appears on the display. (In this case, delete unwanted names before assignment.)*	***Notes:*** • *When you try to assign a name to the 41st disc, you cannot ener the text entry mode (and will hear a beep sound if "Beep" has been set to "On": see page 24) (In this case, delete unwanted names before assignment.)*

Français Page 24

Incorrect	Correct
Notes: • *When you try to assign a name to the 41st disc, "Name Full" appears on the display. (In this case, delete unwanted names before assignment.)*	***Notes:*** • *When you try to assign a name to the 41st disc, you cannot ener the text entry mode (and will hear a beep sound if "Beep" has been set to "On": see page 24) (In this case, delete unwanted names before assignment.)*